YAMAHA

PORTATONE

PSR-S900 PSR-S700

Data List / Daten-Liste / Liste des données / Lista de datos

EN
DE
FR
ES

PSR-S900

Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PRG	
Piano	GrandPiano	0	113	1	Live!
	BrightPiano	0	112	2	Live!
	Harpsichord	0	112	7	Regular
	GrandHarpsi	0	113	7	Regular
	HonkyTonk	0	112	4	Regular
	WarmGrand	0	114	1	Live!
	MidiGrand	0	112	3	Regular
	Oct.Piano1	0	113	4	Regular
	Oct.Piano2	0	114	4	Regular
	CP80	0	113	3	Regular
E.Piano	SparkleStack	0	121	6	Cool!
	GalaxyEP	0	114	5	Cool!
	SuitcaseEP	0	118	5	Cool!
	PolarisEP	0	115	5	Regular
	JazzChorus	0	118	6	Regular
	HyperTines	0	113	6	Regular
	ElectricPiano	0	119	5	Cool!
	PhaseEP	0	120	5	Regular
	NewTines	0	116	6	Regular
	FunkEP	0	112	5	Regular
	DX Modern	0	112	6	Regular
	VintageEP	0	116	5	Regular
	VenusEP	0	114	6	Regular
	ModernEP	0	115	6	Regular
	TremoloEP	0	113	5	Regular
	SuperDX	0	117	6	Regular
	StageEP	0	117	5	Regular
	StereoClavi	0	114	8	Regular
	Clavi	0	112	8	Regular
	WahClavi	0	113	8	Regular
Strings	Strings	0	117	50	Live!
	Allegro	0	122	50	Live!
	Orchestra	0	116	50	Live!
	Symphonic	0	114	49	Regular
	Strings	0	112	49	Regular
	Violin	0	113	41	Sweet!
	OrchHorns	0	118	50	Regular
	OrchFlute	0	119	50	Regular
	OrchOboe	0	121	50	Regular
	Tutti	0	120	50	Regular
	OrchStrings	0	113	49	Regular
	StringQuartet	0	114	50	Regular
	ConcertoStrings	0	115	49	Regular
	AnalogStrings	0	112	52	Regular
	ChamberStrings	0	112	50	Regular
	BowStrings	0	116	49	Regular
	SlowStrings	0	113	50	Regular
	TremoloStrings	0	112	45	Regular
	Marcato	0	115	50	Regular
	Pizzicato	0	112	46	Regular
	SynthStrings1	0	112	51	Regular
	SynthStrings2	0	113	51	Regular
	Viola	0	112	42	Regular
	Cello	0	112	43	Regular
	Contrabass	0	112	44	Regular
	Harp	0	112	47	Regular
	Hackbrett	0	113	47	Regular
	Fiddle	0	112	111	Regular
	Banjo	0	112	106	Regular
	Sitar	0	112	105	Regular
	Koto	0	112	108	Regular
	Shamisen	0	112	107	Regular
	SoloViolin	0	112	41	Regular
	OrchestraHit	0	112	56	Regular
Guitar & Bass	ConcertGuitar	8	32	1	S.Articulation!
	SteelGuitar	8	32	2	S.Articulation!
	FlamencoGtr	8	33	1	S.Articulation!
	12StringGtr	0	113	26	Live!
	PedalSteel	8	36	4	S.Articulation!
	WarmSolid	8	33	4	S.Articulation!
Guitar & Bass	CleanSolid	8	34	4	S.Articulation!
	GuitarHero	8	32	6	S.Articulation!
	70sSolidGtr	8	38	4	S.Articulation!
	NylonGuitar	8	34	1	S.Articulation!
	FolkGuitar	8	33	2	S.Articulation!
	WarmElectric	8	32	4	S.Articulation!
	CleanElectric	8	35	4	S.Articulation!
	HalfDrive	8	37	4	S.Articulation!
	Mandolin	0	114	26	Sweet!
	JazzGuitar	0	115	27	Cool!
	VintageLead	0	125	28	Cool!
	BluesGuitar	0	117	30	Cool!
	MutedGuitar	0	119	29	Cool!
	SlideNylon	0	117	25	Regular
	SlideSteel	0	118	26	Live!
	SlideSolid	0	110	28	Cool!
	SlideClean	0	117	29	Cool!
	DynamicMute	0	118	29	Cool!
	Feedbacker	8	33	5	S.Articulation!
	ElectricGtr	0	114	29	Cool!
	TremoloSolid	0	111	28	Cool!
	ChorusSolid	0	107	28	Cool!
	BalladSolid	0	109	28	Cool!
	DynamicNylon	0	116	25	Regular
	DynamicSteel	0	116	26	Live!
	HardFlamenco	0	118	25	Regular
	AlohaGuitar	0	118	27	Regular
	PedalSteel	0	115	28	Regular
	PowerLead	0	115	31	Cool!
	CleanGuitar	0	112	28	Cool!
	SlapSolid	0	108	28	Cool!
	FunkGuitar	0	116	29	Cool!
	ClassicalGtr	0	115	25	Regular
	SteelGuitar	0	117	26	Live!
	60sClean	0	117	28	Regular
	VintageOpen	0	123	28	Regular
	VintageStrum	0	126	28	Regular
	HeavyStack	0	114	31	Regular
	CrunchGuitar	0	113	31	Regular
	VintageAmp	0	115	30	Regular
	SolidChord	0	121	28	Regular
	SolidGuitar	0	118	28	Regular
	NylonMute	0	119	25	Regular
	SteelMute	0	120	26	Live!
	CampfireGtr	0	115	26	Regular
	Electric12Str	0	119	28	Regular
	SmoothLead	0	119	27	Regular
	PowerChord	0	117	31	Regular
	RockGuitar	0	116	30	Regular
	VodooLead	0	116	31	Regular
	VintageMute	0	115	29	Regular
	TremoloGuitar	0	113	28	Regular
	WahGuitar	0	122	28	Regular
	LeadGuitar	0	114	30	Regular
	18String	0	119	26	Regular
	ChorusGuitar	0	124	28	Regular
	OctaveGuitar	0	113	27	Regular
	VintageTrem	0	120	28	Regular
	DeepChorus	0	114	28	Regular
	BrightClean	0	116	28	Regular
	DistortionGtr	0	112	31	Regular
	FunkGuitar	0	113	29	Regular
	MutedGuitar	0	112	29	Regular
	OverdriveGtr	0	112	30	Regular
	FeedbackGtr	0	113	30	Regular
	FolkGuitar	0	112	26	Regular
	ElectricBass	0	114	34	Cool!
	AcousticBass	0	112	33	Regular
	DynoPickBass	0	113	35	Cool!
	FretlessBass	0	112	36	Cool!

Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PRG	
Guitar & Bass	SlapBass	0	112	37	Regular
	SubBass	0	114	40	Regular
	HardBass	0	114	39	Regular
	ResoBass	0	112	39	Regular
	RockBass	0	114	35	Regular
	SuperFretless	0	113	36	Regular
	PickBass	0	112	35	Regular
	FusionBass	0	113	37	Regular
	Bass&Cymbal	0	114	33	Regular
	AnalogBass	0	112	40	Regular
	DrySynthBass	0	116	40	Regular
	80sSynthBass	0	115	40	Regular
	HiQBass	0	113	39	Regular
	FunkBass	0	112	38	Regular
	ClickBass	0	115	39	Regular
	PunchyBass	0	117	39	Regular
	TB Bass	0	117	40	Regular
	MellowFinger	0	112	34	Regular
	NylonGuitar	8	0	1	MegaVoice
	SteelGuitar	8	0	2	MegaVoice
	12StringGtr	8	1	3	MegaVoice
	HiStringGtr	8	0	3	MegaVoice
	SolidGuitar1	8	1	4	MegaVoice
	SolidGuitar2	8	2	4	MegaVoice
	CleanGuitar	8	0	4	MegaVoice
	OverdriveGtr	8	0	5	MegaVoice
	DistortionGtr	8	0	6	MegaVoice
	AcousticBass	8	0	17	MegaVoice
	ElectricBass	8	0	18	MegaVoice
	PickBass	8	0	19	MegaVoice
	FretlessBass	8	0	20	MegaVoice
Saxophone	Saxophone	8	32	83	S.Articulation!
	BigBandSax	8	35	83	S.Articulation!
	JazzTenor	0	125	67	Sweet!
	BalladTenor	0	126	67	Sweet!
	PopTenor	0	127	67	Sweet!
	SopranoSax	0	113	65	Sweet!
	AltoSax	0	114	66	Sweet!
	TenorSax	0	117	67	Sweet!
	GrowlSax	0	111	67	Sweet!
	SaxSection	0	116	67	Live!
	RockSax	8	33	83	S.Articulation!
	SaxSectionSoft	0	121	67	Live!
	SaxSectionHard	0	122	67	Live!
	BalladSection	0	119	67	Regular
	SaxAppeal	0	123	67	Live!
	SaxyMood	0	120	67	Regular
	Moonlight	0	115	72	Regular
	GrowlSax	0	118	67	Regular
	SopranoSax	0	112	65	Regular
	AltoSax	0	112	66	Regular
	TenorSax	0	112	67	Regular
	BaritoneSax	0	112	68	Regular
	WoodwindsEns	0	113	67	Regular
	TenorSax	8	0	83	MegaVoice
Flute & Woodwind	Flute	0	114	74	Sweet!
	Clarinet	0	114	72	Sweet!
	Oboe	0	113	69	Sweet!
	EnglishHorn	0	112	70	Regular
	Bassoon	0	112	71	Regular
	PanFlute	0	113	76	Sweet!
	ClassicalFlute	0	115	74	Sweet!
	Piccolo	0	112	73	Regular
	FluteEnsemble	0	116	74	Regular
	Whistle	0	112	79	Regular
	Flute	0	112	74	Regular
	Clarinet	0	112	72	Regular
	Oboe	0	112	69	Regular
	Shakuhachi	0	112	78	Regular
	Bagpipe	0	112	110	Regular
Flute & Woodwind	PanFlute	0	113	74	Regular
	EthnicFlute	0	112	76	Regular
	Recorder	0	112	75	Regular
	Ocarina	0	112	80	Regular
Organ	Organ	0	118	19	Cool!
	JazzOrgan	0	117	17	Cool!
	RotorOrgan	0	117	19	Cool!
	FullRocker	0	115	19	Cool!
	StadiumOrgan	0	118	17	Regular
	RotaryDrive	0	116	19	Regular
	RockOrgan1	0	112	19	Regular
	DanceOrgan	0	113	18	Regular
	GospelOrgan	0	119	17	Regular
	JazzOrgan1	0	112	17	Regular
	PurpleOrgan	0	114	19	Regular
	ElectricOrgan	0	118	18	Regular
	DrawbarOrgan	0	115	17	Regular
	JazzOrgan2	0	113	17	Regular
	RockOrgan2	0	113	19	Regular
	ClickOrgan	0	112	18	Regular
	MellowDraw	0	115	18	Regular
	BrightDraw	0	116	17	Regular
	60sOrgan	0	116	18	Regular
	JazzOrgan3	0	120	17	Regular
	Tibia 16&4	0	114	17	Regular
	Tibia Full	0	114	18	Regular
	ChapelOrgan1	0	113	20	Regular
	ChapelOrgan2	0	114	20	Regular
	ChapelOrgan3	0	115	20	Regular
	PipeOrgan	0	112	20	Regular
	ReedOrgan	0	112	21	Regular
Trumpet	Trumpet	8	32	65	S.Articulation!
	SilverTrumpet	8	33	65	S.Articulation!
	GoldenTrumpet	8	34	65	S.Articulation!
	BigBandTrumpet	8	37	65	S.Articulation!
	TrumpetFall	8	38	65	S.Articulation!
	FlugelHorn	0	118	57	Sweet!
	MutedTrumpet	0	114	60	Sweet!
	Trumpet	0	115	57	Sweet!
	Trombone	0	117	58	Sweet!
	TrumpetShake	8	35	65	S.Articulation!
	JazzTrumpet	0	120	57	Sweet!
	SilverTrumpet	0	121	57	Sweet!
	GoldenTrumpet	0	122	57	Sweet!
	SoloTrumpet	0	112	57	Regular
	MutedTrumpet	0	112	60	Regular
	FlugelHorn	0	113	57	Regular
	SoloTrombone	0	112	58	Regular
	JazzTrumpet	0	116	57	Regular
	Trombone	0	116	58	Regular
	SoftTrombone	0	115	58	Regular
	MellowTrombone	0	114	58	Regular
	BaritoneHorn	0	113	59	Regular
	BaritoneHit	0	114	59	Regular
	AlpBass	0	113	34	Regular
	Tuba	0	112	59	Regular
	Trumpet	8	0	65	MegaVoice
Brass	HyperBrass	0	118	63	Live!
	PopBrass	0	117	63	Live!
	OctaveBrass	0	116	63	Live!
	FrenchHorns	0	112	61	Live!
	BrassCombo	0	115	67	Regular
	BrassSection	0	112	62	Regular
	NaturalBrass	0	124	62	Regular
	Sforzando	0	125	62	Regular
	BigBrass	0	121	62	Regular
	BallroomBrass	0	113	60	Regular
	BrightBrass	0	120	62	Regular
	MellowBrass	0	116	62	Regular
	80sBrass	0	113	63	Regular

Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PRG	
Brass	SoftBrass	0	123	62	Regular
	FullHorns	0	114	62	Regular
	SmoothTrombone	0	118	58	Regular
	HighBrass	0	115	62	Regular
	OberBrass	0	113	64	Regular
	TrumpetEns	0	122	62	Regular
	MellowHorns	0	119	62	Regular
	BigBandBrass	0	113	62	Regular
	PopBrass	0	118	62	Regular
	AnalogBrass	0	112	64	Regular
	TbnSection	0	113	58	Regular
	SmallBrass	0	117	62	Regular
	SoftAnalog	0	114	64	Regular
	FunkyAnalog	0	115	63	Regular
	TechnoBrass	0	114	63	Regular
	SynthBrass	0	112	63	Regular
Accordion & Harmonica	Musette	0	112	22	Regular
	TuttiAccordion	0	113	22	Regular
	SmallAccordion	0	115	22	Regular
	BallroomAcc	0	112	24	Regular
	Steirisch	0	117	22	Regular
	Harmonica	0	112	23	Sweet!
	Accordion	0	116	22	Regular
	SoftAccordion	0	114	22	Regular
	Bandoneon	0	113	24	Regular
	ModernHarp	0	113	23	Regular
	BluesHarp	0	114	23	Regular
Choir & Pad	GospelVoices	0	116	53	Live!
	HahChoir	0	114	53	Regular
	Choir	0	112	53	Regular
	AirChoir	0	112	55	Regular
	GothicVox	0	113	54	Regular
	SweetHeaven	0	118	89	Regular
	DreamHeaven	0	121	89	Regular
	VoxHumana	0	112	54	Regular
	Voices	0	113	55	Regular
	Insomnia	0	113	95	Regular
	Skydiver	0	112	102	Regular
	BrightOber	0	113	96	Regular
	Sirius	0	114	102	Regular
	Messenger	0	116	96	Regular
	MellowPad	0	117	96	Regular
	NeoWarmPad	0	115	90	Regular
	CyberPad	0	113	100	Regular
	Wave2001	0	112	96	Regular
	FarEast	0	112	98	Regular
	Atmosphere	0	112	100	Regular
	XenonPad	0	112	92	Regular
	Equinox	0	112	95	Regular
	GlassPad	0	114	94	Regular
	Fantasia	0	112	89	Regular
	DX Pad	0	112	93	Regular
	Symbiont	0	113	89	Regular
	Stargate	0	114	89	Regular
	Area51	0	112	90	Regular
	DarkMoon	0	113	90	Regular
	Ionosphere	0	115	95	Regular
	GoldenAge	0	115	89	Regular
	Solaris	0	114	95	Regular
	TimeTravel	0	116	89	Regular
	Millennium	0	117	89	Regular
	Dunes	0	114	90	Regular
Synth & FX	Oxygen	0	122	82	Regular
	Matrix	0	123	82	Regular
	WireLead	0	120	82	Regular
	HipLead	0	113	81	Regular
	HopLead	0	117	81	Regular
	FireWire	0	116	82	Regular
	Analogon	0	115	82	Regular
	Blaster	0	114	82	Regular
Synth & FX	SFX Kit1	126	0	1	SFX Kit
	SFX Kit2	126	0	2	SFX Kit
	SawLead	0	112	82	Regular
	SquareLead	0	112	81	Regular
	Skyline	0	115	85	Regular
	TinyLead	0	118	81	Regular
	FunkyLead	0	121	82	Regular
	Paraglide	0	114	85	Regular
	Fargo	0	119	82	Regular
	Portatone	0	112	85	Regular
	BigLead	0	113	82	Regular
	Warp	0	117	82	Regular
	Adrenaline	0	113	85	Regular
	Stardust	0	112	99	Regular
	AeroLead	0	112	84	Regular
	MiniLead	0	114	81	Regular
	Impact	0	113	88	Regular
	SunBell	0	113	99	Regular
	UnderHeim	0	112	88	Regular
	HiBias	0	116	81	Regular
	VinylLead	0	115	81	Regular
Perc & Drum	Vibraphone	0	112	12	Regular
	JazzVibes	0	113	12	Regular
	Suspense	0	114	12	Regular
	Marimba	0	112	13	Regular
	Xylophone	0	112	14	Regular
	SteelDrums	0	112	115	Regular
	Celesta	0	112	9	Regular
	Glockenspiel	0	112	10	Regular
	MusicBox	0	112	11	Regular
	TubularBells	0	112	15	Regular
	Kalimba	0	112	109	Regular
	Dulcimer	0	112	16	Regular
	Timpani	0	112	48	Regular
	StandardKit1	127	0	1	Drums
	StandardKit2	127	0	2	Drums
	JazzKit	127	0	33	Drums
	BrushKit	127	0	41	Drums
	HitKit	127	0	5	Drums
	RoomKit	127	0	9	Drums
	RockKit	127	0	17	Drums
	ElectroKit	127	0	25	Drums
	AnalogKit	127	0	26	Drums
	DanceKit	127	0	28	Drums
	SymphonyKit	127	0	49	Drums
	CubanKit	126	0	41	SFX Kit
	PopLatinKit	126	0	44	SFX Kit
	ArabicKit	126	0	36	SFX Kit
	StudioKit	127	0	87	Drums
	PowerKit1	127	0	88	Drums
	PowerKit2	127	0	89	Drums
Organ Flutes	JazzDraw!	0	126	17	Organ Flutes
	BluesOrgan!	0	126	17	Organ Flutes
	SixteenOne!	0	126	17	Organ Flutes
	EvenBars!	0	126	17	Organ Flutes
	PopOrgan!	0	126	17	Organ Flutes
	RockingOrg!	0	126	17	Organ Flutes
	Percussive!	0	126	17	Organ Flutes
	GospelOrg!	0	126	17	Organ Flutes
	PadOrgan!	0	126	17	Organ Flutes
	FullRanks!	0	126	17	Organ Flutes

PSR-S700

Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PRG	
Piano	GrandPiano	0	113	1	Live!
	BrightPiano	0	112	2	Live!
	Harpsichord	0	112	7	Regular
	GrandHarpsi	0	113	7	Regular
	HonkyTonk	0	112	4	Regular
	WarmGrand	0	114	1	Live!
	MidiGrand	0	112	3	Regular
	Oct.Piano1	0	113	4	Regular
	Oct.Piano2	0	114	4	Regular
	CP80	0	113	3	Regular
E.Piano	GalaxyEP	0	114	5	Cool!
	SuitcaseEP	0	118	5	Cool!
	PolarisEP	0	115	5	Regular
	JazzChorus	0	118	6	Regular
	HyperTines	0	113	6	Regular
	ElectricPiano	0	119	5	Cool!
	PhaseEP	0	120	5	Regular
	NewTines	0	116	6	Regular
	FunkEP	0	112	5	Regular
	DX Modern	0	112	6	Regular
	VintageEP	0	116	5	Regular
	VenusEP	0	114	6	Regular
	ModernEP	0	115	6	Regular
	TremoloEP	0	113	5	Regular
	SuperDX	0	117	6	Regular
	StageEP	0	117	5	Regular
	Clavi	0	112	8	Regular
	WahClavi	0	113	8	Regular
Strings	Strings	0	117	50	Live!
	Allegro	0	122	50	Live!
	Orchestra	0	116	50	Live!
	Symphonic	0	114	49	Regular
	Strings	0	112	49	Regular
	Violin	0	113	41	Sweet!
	OrchStrings	0	113	49	Regular
	OrchHorns	0	118	50	Regular
	OrchFlute	0	119	50	Regular
	Tutti	0	120	50	Regular
	StringQuartet	0	114	50	Regular
	ConcertoStrings	0	115	49	Regular
	AnalogStrings	0	112	52	Regular
	ChamberStrings	0	112	50	Regular
	BowStrings	0	116	49	Regular
	SlowStrings	0	113	50	Regular
	TremoloStrings	0	112	45	Regular
	Marcato	0	115	50	Regular
	Pizzicato	0	112	46	Regular
	SynthStrings	0	112	51	Regular
	SoloViolin	0	112	41	Regular
	Viola	0	112	42	Regular
	Cello	0	112	43	Regular
	Contrabass	0	112	44	Regular
	Harp	0	112	47	Regular
	Hackbrett	0	113	47	Regular
	Fiddle	0	112	111	Regular
	Banjo	0	112	106	Regular
	Sitar	0	112	105	Regular
	Koto	0	112	108	Regular
	Shamisen	0	112	107	Regular
	OrchestraHit	0	112	56	Regular
Guitar & Bass	DynamicNylon	0	116	25	Regular
	DynamicSteel	0	116	26	Live!
	12StringGtr	0	113	26	Live!
	SlideSteel	0	118	26	Live!
	Mandolin	0	114	26	Sweet!
	JazzGuitar	0	115	27	Cool!
	ElectricGtr	0	114	29	Cool!
	VintageLead	0	125	28	Cool!
	SlideClean	0	117	29	Cool!
	PowerLead	0	115	31	Cool!

Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PRG	
Guitar & Bass	ClassicalGtr	0	115	25	Regular
	SteelGuitar	0	117	26	Live!
	CleanGuitar	0	112	28	Cool!
	BluesGuitar	0	117	30	Cool!
	FunkGuitar	0	116	29	Cool!
	AlohaGuitar	0	118	27	Regular
	PedalSteel	0	115	28	Regular
	CrunchGuitar	0	113	31	Regular
	60sClean	0	117	28	Regular
	VintageAmp	0	115	30	Regular
	HeavyStack	0	114	31	Regular
	VintageOpen	0	123	28	Regular
	VintageStrum	0	126	28	Regular
	SolidGuitar	0	118	28	Regular
	CampfireGtr	0	115	26	Regular
	Electric12Str	0	119	28	Regular
	SmoothLead	0	119	27	Regular
	PowerChord	0	117	31	Regular
	RockGuitar	0	116	30	Regular
	VodooLead	0	116	31	Regular
	VintageMute	0	115	29	Regular
	TremoloGuitar	0	113	28	Regular
	WahGuitar	0	122	28	Regular
	LeadGuitar	0	114	30	Regular
	18String	0	119	26	Regular
	ChorusGuitar	0	124	28	Regular
	OctaveGuitar	0	113	27	Regular
	VintageTrem	0	120	28	Regular
	DeepChorus	0	114	28	Regular
	BrightClean	0	116	28	Regular
	DistortionGtr	0	112	31	Regular
	FunkGuitar	0	113	29	Regular
	MutedGuitar	0	112	29	Regular
	OverdriveGtr	0	112	30	Regular
	FeedbackGtr	0	113	30	Regular
	FolkGuitar	0	112	26	Regular
	ElectricBass	0	114	34	Cool!
	AcousticBass	0	112	33	Regular
	DynoPickBass	0	113	35	Cool!
	FretlessBass	0	112	36	Cool!
	SlapBass	0	112	37	Regular
	SubBass	0	114	40	Regular
	HardBass	0	114	39	Regular
	ResoBass	0	112	39	Regular
	RockBass	0	114	35	Regular
	SuperFretless	0	113	36	Regular
	PickBass	0	112	35	Regular
	FusionBass	0	113	37	Regular
	Bass&Cymbal	0	114	33	Regular
	AnalogBass	0	112	40	Regular
	DrySynthBass	0	116	40	Regular
	80sSynthBass	0	115	40	Regular
	HiQBass	0	113	39	Regular
	FunkBass	0	112	38	Regular
	MellowFinger	0	112	34	Regular
	ClickBass	0	115	39	Regular
	SteelGuitar	8	0	2	MegaVoice
	12StringGtr	8	1	3	MegaVoice
	HiStringGtr	8	0	3	MegaVoice
	CleanGuitar	8	0	4	MegaVoice
	OverdriveGtr	8	0	5	MegaVoice
	DistortionGtr	8	0	6	MegaVoice
	AcousticBass	8	0	17	MegaVoice
	ElectricBass	8	0	18	MegaVoice
	PickBass	8	0	19	MegaVoice
	FretlessBass	8	0	20	MegaVoice
Saxophone	TenorSax	0	117	67	Sweet!
	AltoSax	0	114	66	Sweet!
	SopranoSax	0	113	65	Sweet!
	GrowlSax	0	118	67	Regular

Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PRG	
Saxophone	SopranoSax	0	112	65	Regular
	AltoSax	0	112	66	Regular
	TenorSax	0	112	67	Regular
	BaritoneSax	0	112	68	Regular
	WoodwindsEns	0	113	67	Regular
Flute & Woodwind	Flute	0	114	74	Sweet!
	Clarinet	0	114	72	Sweet!
	PanFlute	0	113	76	Sweet!
	EnglishHorn	0	112	70	Regular
	Bassoon	0	112	71	Regular
	ClassicalFlute	0	115	74	Sweet!
	Piccolo	0	112	73	Regular
	Whistle	0	112	79	Regular
	Clarinet	0	112	72	Regular
	Oboe	0	112	69	Regular
	Flute	0	112	74	Regular
	PanFlute	0	113	74	Regular
	Shakuhachi	0	112	78	Regular
	EthnicFlute	0	112	76	Regular
	Bagpipe	0	112	110	Regular
	Recorder	0	112	75	Regular
	Ocarina	0	112	80	Regular
Organ	Organ	0	118	19	Cool!
	JazzOrgan	0	117	17	Cool!
	RotorOrgan	0	117	19	Cool!
	FullRocker	0	115	19	Cool!
	StadiumOrgan	0	118	17	Regular
	RotaryDrive	0	116	19	Regular
	RockOrgan1	0	112	19	Regular
	DanceOrgan	0	113	18	Regular
	GospelOrgan	0	119	17	Regular
	JazzOrgan1	0	112	17	Regular
	PurpleOrgan	0	114	19	Regular
	ElectricOrgan	0	118	18	Regular
	DrawbarOrgan	0	115	17	Regular
	JazzOrgan2	0	113	17	Regular
	RockOrgan2	0	113	19	Regular
	ClickOrgan	0	112	18	Regular
	MellowDraw	0	115	18	Regular
	BrightDraw	0	116	17	Regular
	60sOrgan	0	116	18	Regular
	JazzOrgan3	0	120	17	Regular
	Tibia 16&4	0	114	17	Regular
	Tibia Full	0	114	18	Regular
	ChapelOrgan1	0	113	20	Regular
	ChapelOrgan2	0	114	20	Regular
	ChapelOrgan3	0	115	20	Regular
	PipeOrgan	0	112	20	Regular
	ReedOrgan	0	112	21	Regular
Trumpet	Trumpet	0	115	57	Sweet!
	Trombone	0	117	58	Sweet!
	MutedTrumpet	0	112	60	Regular
	FlugelHorn	0	113	57	Regular
	SoloTrumpet	0	112	57	Regular
	SoloTrombone	0	112	58	Regular
	JazzTrumpet	0	116	57	Regular
	Trombone	0	116	58	Regular
	SoftTrombone	0	115	58	Regular
	MellowTrombone	0	114	58	Regular
	BaritoneHorn	0	113	59	Regular
	BaritoneHit	0	114	59	Regular
	AlpBass	0	113	34	Regular
	Tuba	0	112	59	Regular
Brass	HyperBrass	0	118	63	Live!
	PopBrass	0	117	63	Live!
	OctaveBrass	0	116	63	Live!
	FrenchHorns	0	112	61	Live!
	BrassCombo	0	115	67	Regular
	BrassSection	0	112	62	Regular
	Sforzando	0	125	62	Regular

Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PRG	
Brass	BigBrass	0	121	62	Regular
	BallroomBrass	0	113	60	Regular
	BrightBrass	0	120	62	Regular
	MellowBrass	0	116	62	Regular
	80sBrass	0	113	63	Regular
	SoftBrass	0	123	62	Regular
	FullHorns	0	114	62	Regular
	SmoothTrombone	0	118	58	Regular
	HighBrass	0	115	62	Regular
	OberBrass	0	113	64	Regular
	TrumpetEns	0	122	62	Regular
	MellowHorns	0	119	62	Regular
	BigBandBrass	0	113	62	Regular
	PopBrass	0	118	62	Regular
	AnalogBrass	0	112	64	Regular
	TbnSection	0	113	58	Regular
	SmallBrass	0	117	62	Regular
	SoftAnalog	0	114	64	Regular
	FunkyAnalog	0	115	63	Regular
	TechnoBrass	0	114	63	Regular
	SynthBrass	0	112	63	Regular
Accordion & Harmonica	Musette	0	112	22	Regular
	TuttiAccordion	0	113	22	Regular
	SmallAccordion	0	115	22	Regular
	BallroomAcc	0	112	24	Regular
	Steirisch	0	117	22	Regular
	ModernHarp	0	113	23	Regular
	Accordion	0	116	22	Regular
	SoftAccordion	0	114	22	Regular
	Bandoneon	0	113	24	Regular
	BluesHarp	0	114	23	Regular
Choir & Pad	AirChoir	0	112	55	Regular
	GothicVox	0	113	54	Regular
	Choir	0	112	53	Regular
	Voices	0	113	55	Regular
	VoxHumana	0	112	54	Regular
	SweetHeaven	0	118	89	Regular
	DreamHeaven	0	121	89	Regular
	Insomnia	0	113	95	Regular
	NeoWarmPad	0	115	90	Regular
	CyberPad	0	113	100	Regular
	Wave2001	0	112	96	Regular
	Atmosphere	0	112	100	Regular
	XenonPad	0	112	92	Regular
	Equinox	0	112	95	Regular
	GlassPad	0	114	94	Regular
	Fantasia	0	112	89	Regular
	DX Pad	0	112	93	Regular
	Symbiont	0	113	89	Regular
	Stargate	0	114	89	Regular
	Area51	0	112	90	Regular
	DarkMoon	0	113	90	Regular
	Ionosphere	0	115	95	Regular
	GoldenAge	0	115	89	Regular
	Solaris	0	114	95	Regular
	TimeTravel	0	116	89	Regular
	Millennium	0	117	89	Regular
	Dunes	0	114	90	Regular
Synth & FX	Oxygen	0	122	82	Regular
	Matrix	0	123	82	Regular
	WireLead	0	120	82	Regular
	HipLead	0	113	81	Regular
	HopLead	0	117	81	Regular
	FireWire	0	116	82	Regular
	Analogon	0	115	82	Regular
	Blaster	0	114	82	Regular
	SFX Kit1	126	0	1	SFX Kit
	SFX Kit2	126	0	2	SFX Kit
	SawLead	0	112	82	Regular
	SquareLead	0	112	81	Regular

Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PRG	
Synth & FX	Skyline	0	115	85	Regular
	TinyLead	0	118	81	Regular
	FunkyLead	0	121	82	Regular
	Paraglide	0	114	85	Regular
	Fargo	0	119	82	Regular
	Portatone	0	112	85	Regular
	BigLead	0	113	82	Regular
	Warp	0	117	82	Regular
	Adrenaline	0	113	85	Regular
	Stardust	0	112	99	Regular
	AeroLead	0	112	84	Regular
	MiniLead	0	114	81	Regular
	Impact	0	113	88	Regular
	SunBell	0	113	99	Regular
	UnderHeim	0	112	88	Regular
	HiBias	0	116	81	Regular
	VinylLead	0	115	81	Regular
Perc & Drum	Vibraphone	0	112	12	Regular
	JazzVibes	0	113	12	Regular
	Marimba	0	112	13	Regular
	Xylophone	0	112	14	Regular
	SteelDrums	0	112	115	Regular
	Celesta	0	112	9	Regular
	Glockenspiel	0	112	10	Regular
	MusicBox	0	112	11	Regular
	TubularBells	0	112	15	Regular
	Kalimba	0	112	109	Regular
	Dulcimer	0	112	16	Regular
	Timpani	0	112	48	Regular
	StandardKit1	127	0	1	Drums
	StandardKit2	127	0	2	Drums
	JazzKit	127	0	33	Drums
	BrushKit	127	0	41	Drums
	HitKit	127	0	5	Drums
	RoomKit	127	0	9	Drums
	RockKit	127	0	17	Drums
	ElectroKit	127	0	25	Drums
	AnalogKit	127	0	26	Drums
	DanceKit	127	0	28	Drums
	SymphonyKit	127	0	49	Drums
	CubanKit	126	0	41	SFX Kit
	PopLatinKit	126	0	44	SFX Kit
	ArabicKit	126	0	36	SFX Kit
Organ Flutes	JazzDraw!	0	126	17	Organ Flutes
	BluesOrgan!	0	126	17	Organ Flutes
	SixteenOne!	0	126	17	Organ Flutes
	EvenBars!	0	126	17	Organ Flutes
	PopOrgan!	0	126	17	Organ Flutes
	RockingOrg!	0	126	17	Organ Flutes
	Percussive!	0	126	17	Organ Flutes
	GospelOrg!	0	126	17	Organ Flutes
	PadOrgan!	0	126	17	Organ Flutes
	FullRanks!	0	126	17	Organ Flutes

GM & XG

Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PRG	
Piano	GrandPiano	0	0	1	Regular
	GrndPianoKSP	0	1	1	Regular
	MellowGrPno	0	18	1	Regular
	PianoStrings	0	40	1	Regular
	Dream	0	41	1	Regular
	BrightPiano	0	0	2	Regular
	BritePnoKSP	0	1	2	Regular
	ElecGrandPno	0	0	3	Regular
	ElecGrPnoKSP	0	1	3	Regular
	DetunedCP80	0	32	3	Regular
	LayeredCP1	0	40	3	Regular
	LayeredCP2	0	41	3	Regular
	Honkytonk	0	0	4	Regular
	HonkytonkKSP	0	1	4	Regular
	El.Piano1	0	0	5	Regular
	El.Piano1KSP	0	1	5	Regular
	MellowEP1	0	18	5	Regular
	ChorusEP1	0	32	5	Regular
	HardEl.Piano	0	40	5	Regular
	VXfadeEl.P1	0	45	5	Regular
	60sEl.Piano1	0	64	5	Regular
	El.Piano2	0	0	6	Regular
	El.Piano2KSP	0	1	6	Regular
	ChorusEP2	0	32	6	Regular
	DXEPHard	0	33	6	Regular
	DXLegend	0	34	6	Regular
	DXPhaseEP	0	40	6	Regular
	DX+AnalogEP	0	41	6	Regular
	DXKotoEP	0	42	6	Regular
	VXfadeEl.P2	0	45	6	Regular
	Harpsichord	0	0	7	Regular
	Harpsi.KSP	0	1	7	Regular
	Harpsichord2	0	25	7	Regular
	Harpsichord3	0	35	7	Regular
	Clavi.	0	0	8	Regular
	Clavi.KSP	0	1	8	Regular
	Clavi.Wah	0	27	8	Regular
	PulseClavi.	0	64	8	Regular
	PierceClavi.	0	65	8	Regular
ChromaticPerc	Celesta	0	0	9	Regular
	Glockenspiel	0	0	10	Regular
	MusicBox	0	0	11	Regular
	Orgel	0	64	11	Regular
	Vibraphone	0	0	12	Regular
	VibesKSP	0	1	12	Regular
	HardVibes	0	45	12	Regular
	Marimba	0	0	13	Regular
	MarimbaKSP	0	1	13	Regular
	SineMarimba	0	64	13	Regular
	Balimba	0	97	13	Regular
	LogDrums	0	98	13	Regular
	Xylophone	0	0	14	Regular
	TubularBells	0	0	15	Regular
	ChurchBells	0	96	15	Regular
	Carillon	0	97	15	Regular
	Dulcimer	0	0	16	Regular
	Dulcimer2	0	35	16	Regular
	Cimbalom	0	96	16	Regular
	Santur	0	97	16	Regular
Organ	DrawbarOrgan	0	0	17	Regular
	DetDrawOrgan	0	32	17	Regular
	60sDrawOrg1	0	33	17	Regular
	60sDrawOrg2	0	34	17	Regular
	70sDrawOrg1	0	35	17	Regular
	DrawbarOrg2	0	36	17	Regular
	60sDrawOrg3	0	37	17	Regular
	EvenBarOrg	0	38	17	Regular
	16+2'2_3Org	0	40	17	Regular
	OrganBass	0	64	17	Regular
	70sDrawOrg2	0	65	17	Regular

Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PRG	
Organ	CheezyOrgan	0	66	17	Regular
	DrawbarOrg3	0	67	17	Regular
	Perc.Organ	0	0	18	Regular
	70sPercOrg1	0	24	18	Regular
	DetPercOrgan	0	32	18	Regular
	LightOrgan	0	33	18	Regular
	Perc.Organ2	0	37	18	Regular
	RockOrgan	0	0	19	Regular
	RotaryOrgan	0	64	19	Regular
	SlowRotary	0	65	19	Regular
	FastRotary	0	66	19	Regular
	ChurchOrgan	0	0	20	Regular
	ChurchOrgan3	0	32	20	Regular
	ChurchOrgan2	0	35	20	Regular
	NotreDame	0	40	20	Regular
	OrganFlute	0	64	20	Regular
	Trem.OrganFl	0	65	20	Regular
	ReedOrgan	0	0	21	Regular
	PuffOrgan	0	40	21	Regular
	Accordion	0	0	22	Regular
	AccordIt	0	32	22	Regular
	Harmonica	0	0	23	Regular
	Harmonica2	0	32	23	Regular
	TangoAccord	0	0	24	Regular
	TangoAccord2	0	64	24	Regular
Guiter	NylonGuitar	0	0	25	Regular
	NylonGuitar2	0	16	25	Regular
	NylonGuitar3	0	25	25	Regular
	VelGtrHarmo	0	43	25	Regular
	Ukulele	0	96	25	Regular
	SteelGuitar	0	0	26	Regular
	SteelGuitar2	0	16	26	Regular
	12StrGuitar	0	35	26	Regular
	Nylon&Steel	0	40	26	Regular
	Steel&Body	0	41	26	Regular
	Mandolin	0	96	26	Regular
	JazzGuitar	0	0	27	Regular
	MellowGuitar	0	18	27	Regular
	JazzAmp	0	32	27	Regular
	CleanGuitar	0	0	28	Regular
	ChorusGuitar	0	32	28	Regular
	MutedGuitar	0	0	29	Regular
	FunkGuitar1	0	40	29	Regular
	MuteSteelGtr	0	41	29	Regular
	FunkGuitar2	0	43	29	Regular
	JazzMan	0	45	29	Regular
	Overdriven	0	0	30	Regular
	GuitarPinch	0	43	30	Regular
	Distortion	0	0	31	Regular
	FeedbackGtr	0	40	31	Regular
	FeedbackGtr2	0	41	31	Regular
	GtrHarmonics	0	0	32	Regular
	GtrFeedback	0	65	32	Regular
	GtrHarmonic2	0	66	32	Regular
Bass	AcousticBass	0	0	33	Regular
	JazzRhythm	0	40	33	Regular
	VXUprghtBass	0	45	33	Regular
	FingerBass	0	0	34	Regular
	FingerDark	0	18	34	Regular
	FlangeBass	0	27	34	Regular
	Bass&DistEG	0	40	34	Regular
	FingerSlap	0	43	34	Regular
	FingerBass2	0	45	34	Regular
	Mod.Bass	0	65	34	Regular
	PickBass	0	0	35	Regular
	MutePickBass	0	28	35	Regular
	FretlessBass	0	0	36	Regular
	Fretless2	0	32	36	Regular
	Fretless3	0	33	36	Regular
	Fretless4	0	34	36	Regular

Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PRG	
Bass	Syn.Fretless	0	96	36	Regular
	SmthFretless	0	97	36	Regular
	SlapBass1	0	0	37	Regular
	ResonantSlap	0	27	37	Regular
	PunchThumb	0	32	37	Regular
	SlapBass2	0	0	38	Regular
	Velo.Sw.Slap	0	43	38	Regular
	SynthBass1	0	0	39	Regular
	SynBass1Dark	0	18	39	Regular
	FastResoBass	0	20	39	Regular
	AcidBass	0	24	39	Regular
	ClaviBass	0	35	39	Regular
	TechnoBass	0	40	39	Regular
	Orbiter	0	64	39	Regular
	SquareBass	0	65	39	Regular
	RubberBass	0	66	39	Regular
	Hammer	0	96	39	Regular
	SynthBass2	0	0	40	Regular
	MellowSyBass	0	6	40	Regular
	SequenceBass	0	12	40	Regular
	ClickSynBass	0	18	40	Regular
	SynBass2Dark	0	19	40	Regular
	SmoothSyBass	0	32	40	Regular
	ModulrSyBass	0	40	40	Regular
	DXBass	0	41	40	Regular
	XWireBass	0	64	40	Regular
Strings	Violin	0	0	41	Regular
	SlwAtkViolin	0	8	41	Regular
	Viola	0	0	42	Regular
	Cello	0	0	43	Regular
	Contrabass	0	0	44	Regular
	Trem.Strings	0	0	45	Regular
	SlwAtTremStr	0	8	45	Regular
	SuspenseStr	0	40	45	Regular
	PizzicatoStr	0	0	46	Regular
	Orch.Harp	0	0	47	Regular
	YangChin	0	40	47	Regular
	Timpani	0	0	48	Regular
Ensemble	Strings1	0	0	49	Regular
	StereoStrngs	0	3	49	Regular
	SlwAtkStrngs	0	8	49	Regular
	ArcoStrings	0	24	49	Regular
	60'sStrings	0	35	49	Regular
	Orchestra	0	40	49	Regular
	Orchestra2	0	41	49	Regular
	TremOrchstra	0	42	49	Regular
	Velo.Strings	0	45	49	Regular
	Strings2	0	0	50	Regular
	S.SlowStrngs	0	3	50	Regular
	LegatoStrngs	0	8	50	Regular
	WarmStrings	0	40	50	Regular
	Kingdom	0	41	50	Regular
	70'sStrings	0	64	50	Regular
	Strings3	0	65	50	Regular
	SynStrings1	0	0	51	Regular
	ResoStrings	0	27	51	Regular
	SynStrings4	0	64	51	Regular
	SynStrings5	0	65	51	Regular
	SynStrings2	0	0	52	Regular
	ChoirAahs	0	0	53	Regular
	StereoChoir	0	3	53	Regular
	ChoirAahs2	0	16	53	Regular
	MellowChoir	0	32	53	Regular
	ChoirStrings	0	40	53	Regular
	VoiceOohs	0	0	54	Regular
	SynthVoice	0	0	55	Regular
	SynthVoice2	0	40	55	Regular
	Choral	0	41	55	Regular
	AnalogVoice	0	64	55	Regular
	OrchestraHit	0	0	56	Regular

Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PRG	
Ensemble	OrchestrHit2	0	35	56	Regular
	Impact	0	64	56	Regular
Brass	Trumpet	0	0	57	Regular
	Trumpet2	0	16	57	Regular
	BriteTrumpet	0	17	57	Regular
	WarmTrumpet	0	32	57	Regular
	Trombone	0	0	58	Regular
	Trombone2	0	18	58	Regular
	Tuba	0	0	59	Regular
	Tuba2	0	16	59	Regular
	MutedTrumpet	0	0	60	Regular
	FrenchHorn	0	0	61	Regular
	Fr.HornSolo	0	6	61	Regular
	FrenchHorn2	0	32	61	Regular
	HornOrchestr	0	37	61	Regular
	BrassSection	0	0	62	Regular
	Tp&TbSection	0	35	62	Regular
	BrassSect2	0	40	62	Regular
	HighBrass	0	41	62	Regular
	MellowBrass	0	42	62	Regular
	SynthBrass1	0	0	63	Regular
	QuackBrass	0	12	63	Regular
	ResoSynBrass	0	20	63	Regular
	PolyBrass	0	24	63	Regular
	SynthBrass3	0	27	63	Regular
	JumpBrass	0	32	63	Regular
	AnaVelBrass1	0	45	63	Regular
	AnalogBrass1	0	64	63	Regular
	SynthBrass2	0	0	64	Regular
	SoftBrass	0	18	64	Regular
	SynthBrass4	0	40	64	Regular
	ChoirBrass	0	41	64	Regular
	AnaVelBrass2	0	45	64	Regular
	AnalogBrass2	0	64	64	Regular
Reed	SopranoSax	0	0	65	Regular
	AltoSax	0	0	66	Regular
	SaxSection	0	40	66	Regular
	HyperAltoSax	0	43	66	Regular
	TenorSax	0	0	67	Regular
	BreathyTenor	0	40	67	Regular
	SoftTenorSax	0	41	67	Regular
	TenorSax2	0	64	67	Regular
	BaritoneSax	0	0	68	Regular
	Oboe	0	0	69	Regular
	EnglishHorn	0	0	70	Regular
	Bassoon	0	0	71	Regular
	Clarinet	0	0	72	Regular
Pipe	Piccolo	0	0	73	Regular
	Flute	0	0	74	Regular
	Recorder	0	0	75	Regular
	PanFlute	0	0	76	Regular
	BlownBottle	0	0	77	Regular
	Shakuhachi	0	0	78	Regular
	Whistle	0	0	79	Regular
	Ocarina	0	0	80	Regular
Synth.Lead	SquareLead	0	0	81	Regular
	SquareLead2	0	6	81	Regular
	LMSquare	0	8	81	Regular
	Hollow	0	18	81	Regular
	Shroud	0	19	81	Regular
	Mellow	0	64	81	Regular
	SoloSine	0	65	81	Regular
	SineLead	0	66	81	Regular
	SawtoothLead	0	0	82	Regular
	SawtoothLd2	0	6	82	Regular
	ThickSaw	0	8	82	Regular
	DynamicSaw	0	18	82	Regular
	DigitalSaw	0	19	82	Regular
	BigLead	0	20	82	Regular
	HeavySynth	0	24	82	Regular

Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PRG	
Synth.Lead	WaspySynth	0	25	82	Regular
	PulseSaw	0	40	82	Regular
	Dr.Lead	0	41	82	Regular
	VelocityLead	0	45	82	Regular
	Seq.Analog	0	96	82	Regular
	CalliopeLead	0	0	83	Regular
	PureLead	0	65	83	Regular
	ChiffLead	0	0	84	Regular
	Rubby	0	64	84	Regular
	CharangLead	0	0	85	Regular
	DistortedLd	0	64	85	Regular
	WireLead	0	65	85	Regular
	VoiceLead	0	0	86	Regular
	SynthAahs	0	24	86	Regular
	VoxLead	0	64	86	Regular
	FifthsLead	0	0	87	Regular
	BigFive	0	35	87	Regular
	Bass&Lead	0	0	88	Regular
	Big&Low	0	16	88	Regular
	Fat&Perky	0	64	88	Regular
	SoftWhirl	0	65	88	Regular
Synth.Pad	NewAgePad	0	0	89	Regular
	Fantasy	0	64	89	Regular
	WarmPad	0	0	90	Regular
	ThickPad	0	16	90	Regular
	SoftPad	0	17	90	Regular
	SinePad	0	18	90	Regular
	HornPad	0	64	90	Regular
	RotaryStrngs	0	65	90	Regular
	PolySynthPad	0	0	91	Regular
	PolyPad80	0	64	91	Regular
	ClickPad	0	65	91	Regular
	AnalogPad	0	66	91	Regular
	SquarePad	0	67	91	Regular
	ChoirPad	0	0	92	Regular
	Heaven	0	64	92	Regular
	Itopia	0	66	92	Regular
	CCPad	0	67	92	Regular
	BowedPad	0	0	93	Regular
	Glacier	0	64	93	Regular
	GlassPad	0	65	93	Regular
	MetallicPad	0	0	94	Regular
	TinePad	0	64	94	Regular
	PanPad	0	65	94	Regular
	HaloPad	0	0	95	Regular
	SweepPad	0	0	96	Regular
	Shwimmer	0	20	96	Regular
	Converge	0	27	96	Regular
	PolarPad	0	64	96	Regular
	Celestial	0	66	96	Regular
Synth.Effect	Rain	0	0	97	Regular
	ClaviPad	0	45	97	Regular
	HarmoRain	0	64	97	Regular
	AfricanWind	0	65	97	Regular
	Carib	0	66	97	Regular
	SoundTrack	0	0	98	Regular
	Prologue	0	27	98	Regular
	Ancestral	0	64	98	Regular
	Crystal	0	0	99	Regular
	SynthDr.Comp	0	12	99	Regular
	Popcorn	0	14	99	Regular
	TinyBells	0	18	99	Regular
	RoundGlocken	0	35	99	Regular
	GlockenChime	0	40	99	Regular
	ClearBells	0	41	99	Regular
	ChorusBells	0	42	99	Regular
	SynthMallet	0	64	99	Regular
	SoftCrystal	0	65	99	Regular
	LoudGlocken	0	66	99	Regular
	ChristmasBel	0	67	99	Regular

Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PRG	
Synth.Effect	VibeBells	0	68	99	Regular
	DigitalBells	0	69	99	Regular
	AirBells	0	70	99	Regular
	BellHarp	0	71	99	Regular
	Gamelimba	0	72	99	Regular
	Atmosphere	0	0	100	Regular
	WarmAtmos.	0	18	100	Regular
	HollwRelease	0	19	100	Regular
	NylonElPiano	0	40	100	Regular
	NylonHarp	0	64	100	Regular
	HarpVox	0	65	100	Regular
	Atmos.Pad	0	66	100	Regular
	Planet	0	67	100	Regular
	Brightness	0	0	101	Regular
	FantasyBells	0	64	101	Regular
	Smokey	0	96	101	Regular
	Goblins	0	0	102	Regular
	GoblinsSynth	0	64	102	Regular
	Creeper	0	65	102	Regular
	RingPad	0	66	102	Regular
	Ritual	0	67	102	Regular
	ToHeaven	0	68	102	Regular
	Night	0	70	102	Regular
	Glisten	0	71	102	Regular
	BellChoir	0	96	102	Regular
	Echoes	0	0	103	Regular
	Echoes2	0	8	103	Regular
	EchoPan	0	14	103	Regular
	EchoBells	0	64	103	Regular
	BigPan	0	65	103	Regular
	SynthPiano	0	66	103	Regular
	Creation	0	67	103	Regular
	StarDust	0	68	103	Regular
	Reso&Panning	0	69	103	Regular
	Sci-Fi	0	0	104	Regular
	Starz	0	64	104	Regular
Ethnic	Sitar	0	0	105	Regular
	DetunedSitar	0	32	105	Regular
	Sitar2	0	35	105	Regular
	Tambra	0	96	105	Regular
	Tamboura	0	97	105	Regular
	Banjo	0	0	106	Regular
	MutedBanjo	0	28	106	Regular
	Rabab	0	96	106	Regular
	Gopichant	0	97	106	Regular
	Oud	0	98	106	Regular
	Shamisen	0	0	107	Regular
	Koto	0	0	108	Regular
	Taisho-kin	0	96	108	Regular
	Kanoon	0	97	108	Regular
	Kalimba	0	0	109	Regular
	Bagpipe	0	0	110	Regular
	Fiddle	0	0	111	Regular
	Shanai	0	0	112	Regular
	Shanai2	0	64	112	Regular
	Pungi	0	96	112	Regular
	Hichiriki	0	97	112	Regular
Percussive	TinkleBell	0	0	113	Regular
	Bonang	0	96	113	Regular
	Altair	0	97	113	Regular
	GamelanGongs	0	98	113	Regular
	StereoGamlan	0	99	113	Regular
	RamaCymbal	0	100	113	Regular
	AsianBells	0	101	113	Regular
	Agogo	0	0	114	Regular
	SteelDrums	0	0	115	Regular
	GlassPerc.	0	97	115	Regular
	ThaiBells	0	98	115	Regular
	Woodblock	0	0	116	Regular
	Castanets	0	96	116	Regular

Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PRG	
Percussive	TaikoDrum	0	0	117	Regular
	GranCassa	0	96	117	Regular
	MelodicTom	0	0	118	Regular
	MelodicTom2	0	64	118	Regular
	RealTom	0	65	118	Regular
	RockTom	0	66	118	Regular
	SynthDrum	0	0	119	Regular
	AnalogTom	0	64	119	Regular
	ElectroPerc.	0	65	119	Regular
	Rev.Cymbal	0	0	120	Regular
Sound Effect	GtrFretNoise	0	0	121	Regular
	BreathNoise	0	0	122	Regular
	Seashore	0	0	123	Regular
	BirdTweet	0	0	124	Regular
	TelephonRing	0	0	125	Regular
	Helicopter	0	0	126	Regular
	Applause	0	0	127	Regular
	Gunshot	0	0	128	Regular
	CuttingNoise	64	0	1	Regular
	CuttingNoiz2	64	0	2	Regular
	StringSlap	64	0	4	Regular
	Fl.KeyClick	64	0	17	Regular
	Shower	64	0	33	Regular
	Thunder	64	0	34	Regular
	Wind	64	0	35	Regular
	Stream	64	0	36	Regular
	Bubble	64	0	37	Regular
	Feed	64	0	38	Regular
	Dog	64	0	49	Regular
	Horse	64	0	50	Regular
	BirdTweet2	64	0	51	Regular
	Ghost	64	0	55	Regular
	Maou	64	0	56	Regular
	PhoneCall	64	0	65	Regular
	DoorSqueak	64	0	66	Regular
	DoorSlam	64	0	67	Regular
	ScratchCut	64	0	68	Regular
	ScratchSplit	64	0	69	Regular
	WindChime	64	0	70	Regular
	TelphonRing2	64	0	71	Regular
	CarEngineIgn	64	0	81	Regular
	CarTiresSqel	64	0	82	Regular
	CarPassing	64	0	83	Regular
	CarCrash	64	0	84	Regular
	Siren	64	0	85	Regular
	Train	64	0	86	Regular
	JetPlane	64	0	87	Regular
	Starship	64	0	88	Regular
	Burst	64	0	89	Regular
	RollrCoaster	64	0	90	Regular
	Submarine	64	0	91	Regular
	Laugh	64	0	97	Regular
	Scream	64	0	98	Regular
	Punch	64	0	99	Regular
	Heartbeat	64	0	100	Regular
	FootSteps	64	0	101	Regular
	MachineGun	64	0	113	Regular
	LaserGun	64	0	114	Regular
	Explosion	64	0	115	Regular
	Firework	64	0	116	Regular

GM2

Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PRG	
Piano	GrandPiano	121	0	1	Regular
	GrandPianoW	121	1	1	Regular
	GrandPianoD	121	2	1	Regular
	BrightPiano	121	0	2	Regular
	BrightPianoW	121	1	2	Regular
	ElecGrandPno	121	0	3	Regular
	ElecGrandPW	121	1	3	Regular
	Honkytonk	121	0	4	Regular
	HonkytonkW	121	1	4	Regular
	El.Piano1	121	0	5	Regular
	DetunedEP1	121	1	5	Regular
	EP1VeloMix	121	2	5	Regular
	60'sEl.Piano	121	3	5	Regular
	El.Piano2	121	0	6	Regular
	DetunedEP2	121	1	6	Regular
	EP2VeloMix	121	2	6	Regular
	EPLegend	121	3	6	Regular
	EPPhase	121	4	6	Regular
	Harpsichord	121	0	7	Regular
	Harpsi.OctMx	121	1	7	Regular
	HarpsichordW	121	2	7	Regular
	Harpsi.KOff	121	3	7	Regular
	Clavi.	121	0	8	Regular
	PulseClavi.	121	1	8	Regular
ChromaticPerc	Celesta	121	0	9	Regular
	Glockenspiel	121	0	10	Regular
	MusicBox	121	0	11	Regular
	Vibraphone	121	0	12	Regular
	VibraphoneW	121	1	12	Regular
	Marimba	121	0	13	Regular
	MarimbaW	121	1	13	Regular
	Xylophone	121	0	14	Regular
	TubularBells	121	0	15	Regular
	ChurchBells	121	1	15	Regular
	Carillon	121	2	15	Regular
	Dulcimer	121	0	16	Regular
Organ	DrawbarOrgan	121	0	17	Regular
	DetDrawOrgan	121	1	17	Regular
	It60'sOrgan	121	2	17	Regular
	DrawbarOrg2	121	3	17	Regular
	Perc.Organ	121	0	18	Regular
	DetPercOrgan	121	1	18	Regular
	Perc.Organ2	121	2	18	Regular
	RockOrgan	121	0	19	Regular
	ChurchOrgan	121	0	20	Regular
	ChrchOrgOctM	121	1	20	Regular
	DetChurchOrg	121	2	20	Regular
	ReedOrgan	121	0	21	Regular
	PuffOrgan	121	1	21	Regular
	Accordion	121	0	22	Regular
	Accordion2	121	1	22	Regular
	Harmonica	121	0	23	Regular
	TangoAccord	121	0	24	Regular
Guitar	NylonGuitar	121	0	25	Regular
	Ukulele	121	1	25	Regular
	NylonGtrKOff	121	2	25	Regular
	NylonGuitar2	121	3	25	Regular
	SteelGuitar	121	0	26	Regular
	12StrGuitar	121	1	26	Regular
	Mandolin	121	2	26	Regular
	Steel&Body	121	3	26	Regular
	JazzGuitar	121	0	27	Regular
	PedlSteelGtr	121	1	27	Regular
	CleanGuitar	121	0	28	Regular
	DetCleanGtr	121	1	28	Regular
	MidToneGtr	121	2	28	Regular
	MutedGuitar	121	0	29	Regular
	FunkGuitar	121	1	29	Regular
	MutedV-SwGtr	121	2	29	Regular
	JazzMan	121	3	29	Regular

Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PRG	
Guitar	Overdriven	121	0	30	Regular
	GuitarPinch	121	1	30	Regular
	Distortion	121	0	31	Regular
	FeedbackGtr	121	1	31	Regular
	DstRhythmGtr	121	2	31	Regular
	GtrHarmonics	121	0	32	Regular
	GtrFeedback	121	1	32	Regular
Bass	AcousticBass	121	0	33	Regular
	FingerBass	121	0	34	Regular
	FingerSlap	121	1	34	Regular
	PickBass	121	0	35	Regular
	FretlessBass	121	0	36	Regular
	SlapBass1	121	0	37	Regular
	SlapBass2	121	0	38	Regular
	SynthBass1	121	0	39	Regular
	WarmSyBass	121	1	39	Regular
	ResoSynhBass	121	2	39	Regular
	ClaviBass	121	3	39	Regular
	Hammer	121	4	39	Regular
	SynthBass2	121	0	40	Regular
	AttackBass	121	1	40	Regular
	RubberBass	121	2	40	Regular
	AttackPulse	121	3	40	Regular
Strings	Violin	121	0	41	Regular
	SlwAtkViolin	121	1	41	Regular
	Viola	121	0	42	Regular
	Cello	121	0	43	Regular
	Contrabass	121	0	44	Regular
	Trem.Strings	121	0	45	Regular
	PizzicatoStr	121	0	46	Regular
	Orch.Harp	121	0	47	Regular
	YangChin	121	1	47	Regular
	Timpani	121	0	48	Regular
Ensemble	Strings1	121	0	49	Regular
	StringsBrass	121	1	49	Regular
	60'sStrings	121	2	49	Regular
	Strings2	121	0	50	Regular
	SynStrings1	121	0	51	Regular
	SynStrings3	121	1	51	Regular
	SynStrings2	121	0	52	Regular
	ChoirAahs	121	0	53	Regular
	ChoirAahs2	121	1	53	Regular
	VoiceOohs	121	0	54	Regular
	Humming	121	1	54	Regular
	SynthVoice	121	0	55	Regular
	AnalogVoice	121	1	55	Regular
	OrchestraHit	121	0	56	Regular
	BassHitPlus	121	1	56	Regular
	6thHit	121	2	56	Regular
	EuroHit	121	3	56	Regular
Brass	Trumpet	121	0	57	Regular
	DarkTpSoft	121	1	57	Regular
	Trombone	121	0	58	Regular
	Trombone2	121	1	58	Regular
	BriteTrombon	121	2	58	Regular
	Tuba	121	0	59	Regular
	MutedTrumpet	121	0	60	Regular
	MuteTrumpet2	121	1	60	Regular
	FrenchHorn	121	0	61	Regular
	FrenchHorn2	121	1	61	Regular
	BrassSection	121	0	62	Regular
	BrassSect2	121	1	62	Regular
	SynthBrass1	121	0	63	Regular
	SynthBrass3	121	1	63	Regular
	AnaSynBrass1	121	2	63	Regular
	JumpBrass	121	3	63	Regular
	SynthBrass2	121	0	64	Regular
	SynthBrass4	121	1	64	Regular
	AnaSynBrass2	121	2	64	Regular

Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PRG	
Reed	SopranoSax	121	0	65	Regular
	AltoSax	121	0	66	Regular
	TenorSax	121	0	67	Regular
	BaritoneSax	121	0	68	Regular
	Oboe	121	0	69	Regular
	EnglishHorn	121	0	70	Regular
	Bassoon	121	0	71	Regular
	Clarinet	121	0	72	Regular
Pipe	Piccolo	121	0	73	Regular
	Flute	121	0	74	Regular
	Recorder	121	0	75	Regular
	PanFlute	121	0	76	Regular
	BlownBottle	121	0	77	Regular
	Shakuhachi	121	0	78	Regular
	Whistle	121	0	79	Regular
	Ocarina	121	0	80	Regular
Synth.Lead	SquareLead	121	0	81	Regular
	SquareLead2	121	1	81	Regular
	SineLead	121	2	81	Regular
	SawtoothLead	121	0	82	Regular
	SawtoothLd2	121	1	82	Regular
	SawPulseLead	121	2	82	Regular
	DoublSawLead	121	3	82	Regular
	Seq.Analog	121	4	82	Regular
	CalliopeLead	121	0	83	Regular
	ChiffLead	121	0	84	Regular
	CharangLead	121	0	85	Regular
	WireLead	121	1	85	Regular
	VoiceLead	121	0	86	Regular
	FifthsLead	121	0	87	Regular
	Bass&Lead	121	0	88	Regular
	SoftWhirl	121	1	88	Regular
Synth.Pad	NewAgePad	121	0	89	Regular
	WarmPad	121	0	90	Regular
	SinePad	121	1	90	Regular
	PolySynthPad	121	0	91	Regular
	ChoirPad	121	0	92	Regular
	ItopiaPad	121	1	92	Regular
	BowedPad	121	0	93	Regular
	MetallicPad	121	0	94	Regular
	HaloPad	121	0	95	Regular
	SweepPad	121	0	96	Regular
Synth.Effect	Rain	121	0	97	Regular
	SoundTrack	121	0	98	Regular
	Crystal	121	0	99	Regular
	SynthMallet	121	1	99	Regular
	Atmosphere	121	0	100	Regular
	Brightness	121	0	101	Regular
	Goblins	121	0	102	Regular
	Echoes	121	0	103	Regular
	EchoBell	121	1	103	Regular
	EchoPan	121	2	103	Regular
	Sci-Fi	121	0	104	Regular
Ethnic	Sitar	121	0	105	Regular
	Sitar2	121	1	105	Regular
	Banjo	121	0	106	Regular
	Shamisen	121	0	107	Regular
	Koto	121	0	108	Regular
	TaishoKoto	121	1	108	Regular
	Kalimba	121	0	109	Regular
	Bagpipe	121	0	110	Regular
	Fiddle	121	0	111	Regular
	Shanai	121	0	112	Regular
Percussive	TinkleBell	121	0	113	Regular
	Agogo	121	0	114	Regular
	SteelDrums	121	0	115	Regular
	Woodblock	121	0	116	Regular
	Castanets	121	1	116	Regular
	TaikoDrum	121	0	117	Regular
	ConcertBD	121	1	117	Regular

Category	Voice Name	Voice Number			Voice Type
		MSB	LSB	PRG	
Percussive	MelodicTom	121	0	118	Regular
	MelodicTom2	121	1	118	Regular
	SynthDrum	121	0	119	Regular
	RhythmBoxTom	121	1	119	Regular
	ElectricDrum	121	2	119	Regular
	Rev.Cymbal	121	0	120	Regular
SoundEffect	GtrFretNoise	121	0	121	Regular
	GtrCutNoise	121	1	121	Regular
	StringSlap	121	2	121	Regular
	BreathNoise	121	0	122	Regular
	Fl.KeyClick	121	1	122	Regular
	Seashore	121	0	123	Regular
	Rain	121	1	123	Regular
	Thunder	121	2	123	Regular
	Wind	121	3	123	Regular
	Stream	121	4	123	Regular
	Bubble	121	5	123	Regular
	BirdTweet	121	0	124	Regular
	Dog	121	1	124	Regular
	HorseGallop	121	2	124	Regular
	BirdTweet2	121	3	124	Regular
	TelephonRing	121	0	125	Regular
	TelRing2	121	1	125	Regular
	DoorCreaking	121	2	125	Regular
	Door	121	3	125	Regular
	Scratch	121	4	125	Regular
	WindChime	121	5	125	Regular
	Helicopter	121	0	126	Regular
	CarEngine	121	1	126	Regular
	CarStop	121	2	126	Regular
	CarPass	121	3	126	Regular
	CarCrash	121	4	126	Regular
	Siren	121	5	126	Regular
	Train	121	6	126	Regular
	Jetplane	121	7	126	Regular
	Starship	121	8	126	Regular
	BurstNoise	121	9	126	Regular
	Applause	121	0	127	Regular
	Laughing	121	1	127	Regular
	Screaming	121	2	127	Regular
	Punch	121	3	127	Regular
	HeartBeat	121	4	127	Regular
	Footsteps	121	5	127	Regular
	Gunshot	121	0	128	Regular
	MachineGun	121	1	128	Regular
	Lasergun	121	2	128	Regular
	Explosion	121	3	128	Regular
	StandardSet	120	0	1	Drums
	RoomSet	120	0	9	Drums
	PowerSet	120	0	17	Drums
	ElectroSet	120	0	25	Drums
	AnalogSet	120	0	26	Drums
	JazzSet	120	0	33	Drums
	BrushSet	120	0	41	Drums
	OrchestraSet	120	0	49	Drums
	SFXSet	120	0	57	Drums

Mega Voice Map / Sound-Zuordnungen der Mega Voices / Carte des voix Mega / Mapa de Mega Voice

	NylonGuitar	SteelGuitar	HiStringGtr	12StringGtr
PSR-S900	O	O	O	O
PSR-S700		O	O	O

MSB (0-127)	8			8			8			8			
LSB (0-127)	0			0			0			1			
PRG (0-127)	0			1			2			2			
PRG (1-128)	1			2			3			3			
Voice Name	NylonGuitar			SteelGuitar			HiStringGtr			12StringGtr			
Key Range	below B5	above C6	above C8	below B5	above C6	above C8	below B5	above C6	above C8	below B5		above C6	above C8
										Element1 (Steel)	Element2 (HiString)		
Key On Velocity Value (127, 120, 110, 100, 90, 80, 70, 60, 50, 40, 30, 20, 10, 1)	127 Harmonics 121 120 Slide 106 105 Hammer 91 90 Mute 76 75 Dead 61 60 Open Hard 41 40 Open Medium 21 20 Open Soft 1	127 Strum Noise 1	127 Fret Noise 1	127 Harmonics 121 120 Slide 106 105 Hammer 91 90 Mute 76 75 Dead 61 60 Open Hard 41 40 Open Medium 21 20 Open Soft 1	127 Strum Noise 1	127 Fret Noise 1	127 Hard 90 89 Soft 1	127 Strum Noise 1	127 Fret Noise 1	127 Hard 116 115 Medium 72 71 Soft 1	127 Hard 90 89 Soft 1	127 Strum Noise 1	127 Fret Noise 1

Mega Voices indicated by a circle (O) in the chart are included in the corresponding instrument(s).

▭ : No Sound

Mega Voice Map / Sound-Zuordnungen der Mega Voices / Carte des voix Mega / Mapa de Mega Voice

	CleanGuitar	SolidGuitar1	SolidGuitar2	OverdriveGtr	DistortionGtr
PSR-S900	O	O	O	O	O
PSR-S700	O			O	O

MSB (0-127)	8			8			8			8			8		
LSB (0-127)	0			1			2			0			0		
PRG (0-127)	3			3			3			4			5		
PRG (1-128)	4			4			4			5			6		
Voice Name	CleanGuitar			SolidGuitar1			SolidGuitar2			OverdriveGtr			DistortionGtr		
Key Range	below B5	above C6	above C8	below B5	above C6	above C8	below B5	above C6	above C8	below B5	above C6	above C8	below B5	above C6	above C8
Key On Velocity Value (127, 120, 110, 100, 90, 80, 70, 60, 50, 40, 30, 20, 10, 1)	127 **Pick Harmonics** 121 120 **Slide** 106 105 **Hammer** 91 90 **Mute** 76 75 **Dead** 61 60 **Slap** 41 40 **Open Hard** 21 20 **Open Soft** 1	127 **Strum Noise** 1	127 **Fret Noise** 1	127 **Pick Harmonics** 121 120 **Slide** 106 105 **Hammer** 91 90 **Mute** 76 75 **Dead** 61 60 **Slap** 41 40 **Open Hard** 21 20 **Open Soft** 1	127 **Strum Noise** 1	127 **Fret Noise** 1	127 **Pick Harmonics** 121 120 **Slide** 106 105 **Hammer** 91 90 **Mute** 76 75 **Dead** 61 60 **Open Hard** 41 40 **Open Medium** 21 20 **Open Soft** 1	127 **Strum Noise** 1	127 **Fret Noise** 1	127 **Pick Harmonics** 121 120 **Mute** 56 55 **Open** 1	127 **EFX** 1	(No Sound)	127 **Pick Harmonics** 121 120 **Mute** 56 55 **Open** 1	127 **EFX** 1	(No Sound)

Mega Voices indicated by a circle (O) in the chart are included in the corresponding instrument(s).

(grey box) : No Sound

	AcousticBass	ElectricBass	PickBass	FretlessBass
PSR-S900	O	O	O	O
PSR-S700	O	O	O	O

MSB (0-127)	8			8			8			8		
LSB (0-127)	0			0			0			0		
PRG (0-127)	16			17			18			19		
PRG (1-128)	17			18			19			20		
Voice Name	AcousticBass			ElectricBass			PickBass			FretlessBass		
Key Range	below B5	above C6	above C8	below B5	above C6	above C8	below B5	above C6	above C8	below B5	above C6	above C8
Key On Velocity Value 127–121	Harmonics (127–121)	EFX (127–1)	(No Sound)	Slap (127–121)	EFX (127–1)	(No Sound)	Harmonics (127–121)	EFX (127–1)	(No Sound)	Harmonics (127–121)	EFX (127–1)	(No Sound)
120–81	Dead (120–81)			Dead (120–81)			Dead (120–81)			Dead (120–81)		
80–61	Open Hard (80–61)			Open Hard (80–61)			Mute (80–41)			Open (80–1)		
60–41	Open Soft (60–1)			Open Soft (60–1)								
40–1							Open (40–1)					

Mega Voices indicated by a circle (O) in the chart are included in the corresponding instrument(s).

(grey box) : No Sound

Mega Voice Map / Sound-Zuordnungen der Mega Voices / Carte des voix Mega / Mapa de Mega Voice

	Trumpet	TenorSax
PSR-S900	O	O
PSR-S700		

MSB (0-127)	8			8		
LSB (0-127)	0			0		
PRG (0-127)	64			82		
PRG (1-128)	65			83		
Voice Name	Trumpet			TenorSax		
Key Range	below B5	above C6	above C8	below B5	above C6	above C8
Key On Velocity Value 127–121	127–121 **Glissando Up**	127–1 **Valve Noise**	127–1 **Breath Noise**	127–101 **Falls**	127–1 **Valve Noise (C6–B6 Key On Noise, C7–B7 Key Off Noise)**	127–1 **Breath Noise**
120–111	120–111 **Falls**					
110–101	110–101 **Shake**					
100–81	100–81 **Straight**			100–81 **Growl**		
80–61	80–61 **Legato**			80–61 **Legato**		
60–41	60–41 **ff**			60–41 **f**		
40–21	40–21 **f**			40–21 **mf**		
20–1	20–1 **mf**			20–1 **mp**		

Mega Voices indicated by a circle (O) in the chart are included in the corresponding instrument(s).

[grey box] : No Sound

Drum/key Assignment List / Liste der Tastenzuordnungen der Schlaginstrumente / Liste d'assignation instrument de batterie/touche du clavier / Lista de asignación de teclas/batería

Panel Drum Kit/XG Drum Kit

	Standard Kit 1	Standard Kit 2	Hit Kit	Room Kit	Rock Kit	Electro Kit
PSR-S900 (*1)	O	O	O	O	O	O
PSR-S700 (*1)	O	O	O	O	O	O

Bank Select MSB (0-127)					127	127	127	127	127	127
Bank Select LSB (0-127)					0	0	0	0	0	0
Program Change (0-127)					0	1	4	8	16	24
Program Change (1-128)					1	2	5	9	17	25
MIDI		Keyboard Note	Key Off (*2)	Alternate Group (*3)	Standard Kit 1	Standard Kit 2	Hit Kit	Room Kit	Rock Kit	Electro Kit
Note#	Note									
13	C#-1	C#0		3	Surdo Mute					
14	D-1	D0		3	Surdo Open					
15	D#-1	D#0			Hi Q					
16	E-1	E0			Whip Slap					
17	F-1	F0		4	Scratch H					
18	F#-1	F#0		4	Scratch L					
19	G-1	G0			Finger Snap					
20	G#-1	G#0			Click Noise					
21	A-1	A0			Metronome Click					
22	A#-1	A#0			Metronome Bell					
23	B-1	B0			Seq Click L					
24	C0	C1			Seq Click H					
25	C#0	C#1			Brush Tap					
26	D0	D1	●		Brush Swirl					
27	D#0	D#1			Brush Slap					
28	E0	E1	●		Brush Tap Swirl					Reverse Cymbal
29	F0	F1	●		Snare Roll					
30	F#0	F#1			Castanet					Hi Q 2
31	G0	G1			Snare Soft	Snare Soft 2	Snare Electro		Snare Noisy	Snare Snappy Electro
32	G#0	G#1			Sticks					
33	A0	A1			Kick Soft		Kick Tight L			Kick 3
34	A#0	A#1			Open Rim Shot	Open Rim Shot H Short	Snare Pitched			
35	B0	B1			Kick Tight		Kick Wet		Kick 2	Kick Gate
36	C1	C2			Kick	Kick Short	Kick Tight H		Kick Gate	Kick Gate Heavy
37	C#1	C#2			Side Stick	Side Stick Light	Stick Ambient			
38	D1	D2			Snare	Snare Short	Snare Ambient	Snare Snappy	Snare Rock	Snare Noisy 2
39	D#1	D#2			Hand Clap					
40	E1	E2			Snare Tight	Snare Tight H	Snare Tight 2	Snare Tight Snappy	Snare Rock Tight	Snare Noisy 3
41	F1	F2			Floor Tom L		Hybrid Tom 1	Tom Room 1	Tom Rock 1	Tom Electro 1
42	F#1	F#2		1	Hi-Hat Closed		Hi-Hat Closed 2			
43	G1	G2			Floor Tom H		Hybrid Tom 2	Tom Room 2	Tom Rock 2	Tom Electro 2
44	G#1	G#2		1	Hi-Hat Pedal		Hi-Hat Pedal 2			
45	A1	A2			Low Tom		Hybrid Tom 3	Tom Room 3	Tom Rock 3	Tom Electro 3
46	A#1	A#2		1	Hi-Hat Open		Hi-Hat Open 2			
47	B1	B2			Mid Tom L		Hybrid Tom 4	Tom Room 4	Tom Rock 4	Tom Electro 4
48	C2	C3			Mid Tom H		Hybrid Tom 5	Tom Room 5	Tom Rock 5	Tom Electro 5
49	C#2	C#3			Crash Cymbal 1					
50	D2	D3			High Tom		Hybrid Tom 6	Tom Room 6	Tom Rock 6	Tom Electro 6
51	D#2	D#3			Ride Cymbal 1					
52	E2	E3			Chinese Cymbal					
53	F2	F3			Ride Cymbal Cup					
54	F#2	F#3			Tambourine		Tambourine Light			
55	G2	G3			Splash Cymbal					
56	G#2	G#3			Cowbell					
57	A2	A3			Crash Cymbal 2					
58	A#2	A#3			Vibraslap					
59	B2	B3			Ride Cymbal 2					
60	C3	C4			Bongo H					
61	C#3	C#4			Bongo L					
62	D3	D4			Conga H Mute					
63	D#3	D#4			Conga H Open					
64	E3	E4			Conga L					
65	F3	F4			Timbale H					
66	F#3	F#4			Timbale L					
67	G3	G4			Agogo H					
68	G#3	G#4			Agogo L					
69	A3	A4			Cabasa					
70	A#3	A#4			Maracas					
71	B3	B4	●		Samba Whistle H					
72	C4	C5	●		Samba Whistle L					
73	C#4	C#5			Guiro Short					
74	D4	D5	●		Guiro Long					
75	D#4	D#5			Claves					
76	E4	E5			Wood Block H					
77	F4	F5			Wood Block L					
78	F#4	F#5			Cuica Mute					Scratch H 2
79	G4	G5			Cuica Open					Scratch L 2
80	G#4	G#5		2	Triangle Mute					
81	A4	A5		2	Triangle Open					
82	A#4	A#5			Shaker					
83	B4	B5			Jingle Bells					
84	C5	C6			Bell Tree					
85	C#5	C#6								
86	D5	D6								
87	D#5	D#6								
88	E5	E6								
89	F5	F6								
90	F#5	F#6								
91	G5	G6								

Same as Standard Kit 1 (light grey) No Sound (dark grey)

					Analog Kit	Dance Kit	Jazz Kit	Brush Kit	Symphony Kit	Studio Kit
PSR-S900 (*1)					O	O	O	O	O	O
PSR-S700 (*1)					O	O	O	O	O	

Bank Select MSB (0-127)					**127**	**127**	**127**	**127**	**127**	**127**
Bank Select LSB (0-127)					**0**	**0**	**0**	**0**	**0**	**0**
Program Change (0-127)					**25**	**27**	**32**	**40**	**48**	**86**
Program Change (1-128)					**26**	**28**	**33**	**41**	**49**	**87**
MIDI		**Keyboard Note**	**Key Off (*2)**	**Alternate Group (*3)**	**Analog Kit**	**Dance Kit**	**Jazz Kit**	**Brush Kit**	**Symphony Kit**	**Studio Kit**
Note#	**Note**									
13	C#-1	C#0		3		Kick Dance 1				
14	D-1	D0		3		Kick Dance 2				
15	D#-1	D#0								
16	E-1	E0								
17	F-1	F0		4		Scratch Dance 1				
18	F#-1	F#0		4		Scratch Dance 2				
19	G-1	G0								
20	G#-1	G#0								
21	A-1	A0				Dance Perc 1				
22	A#-1	A#0				Reverse Dance 1				
23	B-1	B0				Dance Perc 2				
24	C0	C1				Hi Q Dance 1				
25	C#0	C#1				Snare Analog 3				Brush Tap
26	D0	D1	●			Vinyl Noise				Brush Swirl
27	D#0	D#1				Snare Analog 4				Brush Slap
28	E0	E1	●		Reverse Cymbal	Reverse Cymbal				Brush Tap Swirl
29	F0	F1	●			Reverse Dance 2				Snare Roll
30	F#0	F#1			Hi Q 2	Hi Q 2				
31	G0	G1			Snare Noisy 4	Snare Techno	Snare Jazz H	Brush Slap 2		Snare Studio L
32	G#0	G#1				Snare Dance 1				
33	A0	A1			Kick 3	Kick Techno Q			Kick Soft 2	Kick Amb H
34	A#0	A#1				Rim Gate		Open Rim Shot Light		Open Rim Shot
35	B0	B1			Kick Analog Short	Kick Techno L			Gran Cassa	Kick Amb L
36	C1	C2			Kick Analog	Kick Techno	Kick Jazz	Kick Jazz	Gran Cassa Mute	Kick Studio
37	C#1	C#2			Side Stick Analog	Side Stick Analog	Side Stick Light	Side Stick Light		Side Stick
38	D1	D2			Snare Analog	Snare Clap	Snare Jazz L	Brush Slap 3	Band Snare	Snare Studio M
39	D#1	D#2				Dance Clap				Hand Clap
40	E1	E2			Snare Analog 2	Snare Dry	Snare Jazz M	Brush Tap 2	Band Snare 2	Snare Studio L
41	F1	F2			Tom Analog 1	Tom Analog 1		Tom Brush 1		Floor Tom L
42	F#1	F#2		1	Hi-Hat Closed Analog	Hi-Hat Closed 3				Hi-Hat Closed
43	G1	G2			Tom Analog 2	Tom Analog 2		Tom Brush 2		Floor Tom H
44	G#1	G#2		1	Hi-Hat Closed Analog 2	Hi-Hat Closed Analog 3				Hi-Hat Pedal
45	A1	A2			Tom Analog 3	Tom Analog 3		Tom Brush 3		Low Tom
46	A#1	A#2		1	Hi-Hat Open Analog	Hi-Hat Open 3				Hi-Hat Open
47	B1	B2			Tom Analog 4	Tom Analog 4		Tom Brush 4		Mid Tom L
48	C2	C3			Tom Analog 5	Tom Analog 5		Tom Brush 5		Mid Tom H
49	C#2	C#3			Crash Analog	Crash Analog			Hand Cymbal	Crash Cymbal 1
50	D2	D3			Tom Analog 6	Tom Analog 6		Tom Brush 6		High Tom
51	D#2	D#3							Hand Cymbal Short	Ride Cymbal 1
52	E2	E3								Chinese Cymbal
53	F2	F3								Ride Cymbal Cup
54	F#2	F#3				Tambourine Analog				Tambourine
55	G2	G3								Splash Cymbal
56	G#2	G#3			Cowbell Analog	Cowbell Dance				Cowbell
57	A2	A3							Hand Cymbal 2	Crash Cymbal 2
58	A#2	A#3				Vbraslap Analog				
59	B2	B3				Ride Analog			Hand Cymbal 2 Short	Ride Cymbal 2
60	C3	C4				Bongo Analog H				Bongo H
61	C#3	C#4				Bongo Analog L				Bongo L
62	D3	D4			Conga Analog H	Conga Analog H				Conga H Mute
63	D#3	D#4			Conga Analog M	Conga Analog M				Conga H Open
64	E3	E4			Conga Analog L	Conga Analog L				Conga L
65	F3	F4								Timbale H
66	F#3	F#4								Timbale L
67	G3	G4								
68	G#3	G#4								
69	A3	A4								Cabasa
70	A#3	A#4			Maracas 2	Maracas 2				Maracas
71	B3	B4	●							
72	C4	C5	●							
73	C#4	C#5								Guiro Short
74	D4	D5	●							Guiro Long
75	D#4	D#5			Claves 2	Claves 2				
76	E4	E5				Dance Perc 3				
77	F4	F5				Dance Perc 4				
78	F#4	F#5			Scratch H 2	Dance Breath 1				Cuica Mute
79	G4	G5			Scratch L 2	Dance Breath 2				Cuica Open
80	G#4	G#5		2						Triangle Mute
81	A4	A5		2						Triangle Open
82	A#4	A#5								Shaker
83	B4	B5								
84	C5	C6								Wind Chime
85	C#5	C#6								
86	D5	D6								
87	D#5	D#6								
88	E5	E6								
89	F5	F6								
90	F#5	F#6								
91	G5	G6								

	Power Kit 1	Power Kit 2
PSR-S900 (*1)	O	O
PSR-S700 (*1)		

MIDI		Keyboard Note	Key Off (*2)	Alternate Group (*3)	Power Kit 1	Power Kit 2
Bank Select MSB (0-127)					127	127
Bank Select LSB (0-127)					0	0
Program Change (0-127)					87	88
Program Change (1-128)					88	89
Note#	Note					
13	C#-1	C#0		3		
14	D-1	D0		3		
15	D#-1	D#0				
16	E-1	E0				
17	F-1	F0		4		
18	F#-1	F#0		4		
19	G-1	G0				
20	G#-1	G#0				
21	A-1	A0				
22	A#-1	A#0				
23	B-1	B0				
24	C0	C1				
25	C#0	C#1				
26	D0	D1	●			
27	D#0	D#1				
28	E0	E1	●			
29	F0	F1	●			
30	F#0	F#1				
31	G0	G1			Snare Soft Power 1	Snare Soft Power 2
32	G#0	G#1				
33	A0	A1			Kick Amb+	Kick Amb+
34	A#0	A#1			Open Rim Power 1	Open Rim Power 2
35	B0	B1			Kick Power Open	Kick Power Open
36	C1	C2			Kick Power Closed	Kick Power Closed
37	C#1	C#2			Side Stick Power	Side Stick Power
38	D1	D2			Snare Power	Snare Power Snappy
39	D#1	D#2			Hand Clap Power	Hand Clap Power
40	E1	E2			Snare Rough	Snare Loose
41	F1	F2			Tom Power 1	Tom Power 1
42	F#1	F#2		1	Hi-Hat Closed Power	Hi-Hat Closed Power+Edge
43	G1	G2			Tom Power 2	Tom Power 2
44	G#1	G#2		1	Hi-Hat Pedal Power	Hi-Hat Pedal Power
45	A1	A2			Tom Power 3	Tom Power 3
46	A#1	A#2		1	Hi-Hat Open Power	Hi-Hat Open Power
47	B1	B2			Tom Power 4	Tom Power 4
48	C2	C3			Tom Power 5	Tom Power 5
49	C#2	C#3				
50	D2	D3			Tom Power 6	Tom Power 6
51	D#2	D#3				
52	E2	E3				
53	F2	F3				
54	F#2	F#3				
55	G2	G3				
56	G#2	G#3				
57	A2	A3				
58	A#2	A#3				
59	B2	B3				
60	C3	C4				
61	C#3	C#4				
62	D3	D4				
63	D#3	D#4				
64	E3	E4				
65	F3	F4				
66	F#3	F#4				
67	G3	G4				
68	G#3	G#4				
69	A3	A4				
70	A#3	A#4				
71	B3	B4	●			
72	C4	C5	●			
73	C#4	C#5				
74	D4	D5	●			
75	D#4	D#5				
76	E4	E5				
77	F4	F5				
78	F#4	F#5				
79	G4	G5				
80	G#4	G#5		2		
81	A4	A5		2		
82	A#4	A#5				
83	B4	B5				
84	C5	C6				
85	C#5	C#6				
86	D5	D6				
87	D#5	D#6				
88	E5	E6				
89	F5	F6				
90	F#5	F#6				
91	G5	G6				

*1 Drum Kits indicated by a circle (O) in the chart are included in the corresponding instrument(s).

*2 Key Off: Keys marked "O" stop sounding the instant they are released.

*3 Alternate Group: Playing any instrument within a numbered group will immediately stop the sound of any other instrument in the same group of the same number.

Bank Select MSB (0-127)			126	126	126	126	126
Bank Select LSB (0-127)			0	0	0	0	0
Program Change (0-127)			35	0	1	40	43
Program Change (1-128)			36	1	2	41	44
MIDI		Keyboard Note	Arabic Kit	SFX Kit 1*	SFX Kit 2*	Cuban Kit	PopLatin Kit
Note#	Note						
13	C#-1	C#0					Cajon Low**
14	D-1	D0					Cajon Slap**
15	D#-1	D#0					Cajon Tip**
16	E-1	E0					Claves High**
17	F-1	F0					Claves Low**
18	F#-1	F#0					Hand Clap
19	G-1	G0					
20	G#-1	G#0					Finger Snap**
21	A-1	A0					Castanet**
22	A#-1	A#0				Conga H Tip	Conga H Tip
23	B-1	B0				Conga H Heel	Conga H Heel
24	C0	C1	Nakarazan Dom			Conga H Open	Conga H Open
25	C#0	C#1	Cabasa			Conga H Mute	Conga H Mute
26	D0	D1	Nakarazan Edge			Conga H Slap Open	Conga H Slap Open
27	D#0	D#1	Hager Dom			Conga H Slap	Conga H Slap
28	E0	E1	Hager Edge			Conga H Slap Mute	Conga H Slap Mute
29	F0	F1	Bongo H			Conga L Tip	Conga L Tip
30	F#0	F#1	Bongo L			Conga L Heel	Conga L Heel
31	G0	G1	Conga H Mute			Conga L Open	Conga L Open
32	G#0	G#1	Conga H Open			Conga L Mute	Conga L Mute
33	A0	A1	Conga L			Conga L Slap Open	Conga L Slap Open
34	A#0	A#1	Zagrouda H			Conga L Slap	Conga L Slap
35	B0	B1	Zagrouda L			Conga L Slide	Conga L Slide
36	C1	C2	Kick Soft	Cutting Noise	Phone Call	Bongo H Open 1 Finger	Bongo H Open 1 finger
37	C#1	C#2	Side Stick	Cutting Noise 2	Door Squeak	Bongo H Open 3 Finger	Bongo H Open 3 finger
38	D1	D2	Snare Soft		Door Slam	Bongo H Rim	Bongo H Rim
39	D#1	D#2	Arabic Hand Clap	String Slap	Scratch Cut	Bongo H Tip	Bongo H Tip
40	E1	E2	Snare		Scratch H 3	Bongo H Heel	Bongo H Heel
41	F1	F2	Floor Tom L		Wind Chime	Bongo H Slap	Bongo H Slap
42	F#1	F#2	Hi-Hat Closed		Telephone Ring 2	Bongo L Open 1 Finger	Bongo L Open 1 finger
43	G1	G2	Floor Tom H			Bongo L Open 3 Finger	Bongo L Open 3 finger
44	G#1	G#2	Hi-Hat Pedal			Bongo L Rim	Bongo L Rim
45	A1	A2	Low Tom			Bongo L Tip	Bongo L Tip
46	A#1	A#2	Hi-Hat Open			Bongo L Heel	Bongo L Heel
47	B1	B2	Mid Tom L			Bongo L Slap	Bongo L Slap
48	C2	C3	Mid Tom H			Timbale L Open	Timbale L Open
49	C#2	C#3	Crash Cymbal 1				
50	D2	D3	High Tom				
51	D#2	D#3	Ride Cymbal 1				
52	E2	E3	Crash Cymbal 2	Flute Key Click	Car Engine Ignition		
53	F2	F3	Duhulla Dom		Car Tires Squeal	Paila L	Paila L
54	F#2	F#3	Tambourine		Car Passing	Timbale H Open	Timbale H Open
55	G2	G3	Duhulla Tak		Car Crash		
56	G#2	G#3	Cowbell		Siren		
57	A2	A3	Duhulla Sak		Train		
58	A#2	A#3	Claves		Jet Plane		
59	B2	B3	Doff Dom		Starship	Paila H	Paila H
60	C3	C4	Katem Dom		Burst	Cowbell Top	Cowbell Top
61	C#3	C#4	Katem Tak		Roller Coaster		Cowbell 1
62	D3	D4	Katem Sak		Submarine		Cowbell 2
63	D#3	D#4	Katem Tak				Cowbell 3
64	E3	E4	Doff Tak			Guiro Short	Guiro Short
65	F3	F4	Tabla Dom			Guiro Long	Guiro Long
66	F#3	F#4	Tabla Tak1				Metal Guiro Short
67	G3	G4	Tabla Tik				Metal Guiro Long
68	G#3	G#4	Tabla Tak2	Shower	Laugh	Tambourine	Tambourine
69	A3	A4	Tabla Sak	Thunder	Scream		Tambourim Open
70	A#3	A#4	Tabla Roll of Edge	Wind	Punch		Tambourim Mute
71	B3	B4	Tabla Flam	Stream	Heart Beat		Tambourim Tip
72	C4	C5	Sagat 1	Bubble	Foot Steps	Maracas	Maracas
73	C#4	C#5	Tabel Dom	Feed		Shaker	Shaker
74	D4	D5	Sagat 3			Cabasa	Cabasa
75	D#4	D#5	Tabel Tak				Cuica Mute
76	E4	E5	Sagat 2				Cuica Open
77	F4	F5	Rik Dom				Cowbell High 1
78	F#4	F#5	Rik Tak 2				Cowbell High 2
79	G4	G5	Rik Finger 1				Shekere
80	G#4	G#5	Rik Tak 1				Shekere Tone
81	A4	A5	Rik Finger 2				Triangle Mute
82	A#4	A#5	Rik Brass Tremolo				Triangle Open
83	B4	B5	Rik Sak				
84	C5	C6	Rik Tik	Dog	Machine Gun		Wind Chime
85	C#5	C#6		Horse	Laser Gun		
86	D5	D6		Bird Tweet 2	Explosion		
87	D#5	D#6			Firework		
88	E5	E6					
89	F5	F6					
90	F#5	F#6		Ghost			
91	G5	G6		Maou			

* Actual Keyboard Notes of the SFX Kit 1 and 2 are one octave lower than the ones described in the above list.
** Not available (does not sound) on the PSR-S700.

GM2 Drum Kit / SFX Kit

Bank Select MSB (0-127)			120	120	120	120	120
Bank Select LSB (0-127)			0	0	0	0	0
Program Change (0-127)			0	8	16	24	25
Program Change (1-128)			1	9	17	25	26
MIDI		Keyboard Note	Standard Set	Room Set	Power Set	Electronic Set	Analog Set
Note#	Note						
13	C#-1	C#0					
14	D-1	D0					
15	D#-1	D#0					
16	E-1	E0					
17	F-1	F0					
18	F#-1	F#0					
19	G-1	G0					
20	G#-1	G#0					
21	A-1	A0					
22	A#-1	A#0					
23	B-1	B0					
24	C0	C1					
25	C#0	C#1					
26	D0	D1					
27	D#0	D#1	High Q				
28	E0	E1	Slap				
29	F0	F1	Scratch Push				
30	F#0	F#1	Scratch Pull				
31	G0	G1	Sticks				
32	G#0	G#1	Square Click				
33	A0	A1	Metronome Click				
34	A#0	A#1	Metronome Bell				
35	B0	B1	Acoustic Bass Drum				
36	C1	C2	Bass Drum 1		Power Kick Drum	Electric Bass Drum	Analog Bass Drum
37	C#1	C#2	Side Stick				Analog Rim Shot
38	D1	D2	Acoustic Snare		Power Snare Drum	Electric Snare 1	Analog Snare 1
39	D#1	D#2	Hand Clap				
40	E1	E2	Electric Snare			Electric Snare 2	
41	F1	F2	Low Floor Tom	Room Low Tom 2	Power Low Tom 2	Electric Low Tom 2	Analog Low Tom 2
42	F#1	F#2	Closed Hi-hat				Analog CHH 1
43	G1	G2	High Floor Tom	Room Low Tom 1	Power Low Tom 1	Electric Low Tom 1	Analog Low Tom 1
44	G#1	G#2	Pedal Hi-hat				Analog CHH 2
45	A1	A2	Low Tom	Room Mid Tom 2	Power Mid Tom 2	Electric Mid Tom 2	Analog Mid Tom 2
46	A#1	A#2	Open Hi-hat				Analog OHH
47	B1	B2	Low-Mid Tom	Room Mid Tom 1	Power Mid Tom 1	Electric Mid Tom 1	Analog Mid Tom 1
48	C2	C3	High Mid Tom	Room Hi Tom 2	Power Hi Tom 2	Electric Hi Tom 2	Analog Hi Tom 2
49	C#2	C#3	Crash Cymbal 1				Analog Cymbal
50	D2	D3	High Tom	Room Hi Tom 1	Power Hi Tom 1	Electric Hi Tom 1	Analog Hi Tom 1
51	D#2	D#3	Ride Cymbal 1				
52	E2	E3	Chinese Cymbal			Reverse Cymbal	
53	F2	F3	Ride Bell				
54	F#2	F#3	Tambourine				
55	G2	G3	Splash Cymbal				
56	G#2	G#3	Cowbell				Analog Cowbell
57	A2	A3	Crash Cymbal 2				
58	A#2	A#3	Vibra-slap				
59	B2	B3	Ride Cymbal 2				
60	C3	C4	High Bongo				
61	C#3	C#4	Low Bongo				
62	D3	D4	Mute Hi Conga				Analog High Conga
63	D#3	D#4	Open Hi Conga				Analog Mid Conga
64	E3	E4	Low Conga				Analog Low Conga
65	F3	F4	High Timbale				
66	F#3	F#4	Low Timbale				
67	G3	G4	High Agogo				
68	G#3	G#4	Low Agogo				
69	A3	A4	Cabasa				
70	A#3	A#4	Maracas				Analog Maracas
71	B3	B4	Short Whistle				
72	C4	C5	Long Whistle				
73	C#4	C#5	Short Guiro				
74	D4	D5	Long Guiro				
75	D#4	D#5	Claves				Analog Claves
76	E4	E5	Hi Wood Block				
77	F4	F5	Low Wood Block				
78	F#4	F#5	Mute Cuica				
79	G4	G5	Open Cuica				
80	G#4	G#5	Mute Triangle				
81	A4	A5	Open Triangle				
82	A#4	A#5	Shaker				
83	B4	B5	Jingle Bell				
84	C5	C6	Bell Tree				
85	C#5	C#6	Castanets				
86	D5	D6	Mute Surdo				
87	D#5	D#6	Open Surdo				
88	E5	E6					
89	F5	F6					
90	F#5	F#6					
91	G5	G6					

Bank Select MSB (0-127)			120	120	120	120
Bank Select LSB (0-127)			0	0	0	0
Program Change (0-127)			32	40	48	56
Program Change (1-128)			33	41	49	57
MIDI		Keyboard Note	Jazz Set	Brush Set	Orchestra Set	SFX Set
Note#	Note					
13	C#-1	C#0				
14	D-1	D0				
15	D#-1	D#0				
16	E-1	E0				
17	F-1	F0				
18	F#-1	F#0				
19	G-1	G0				
20	G#-1	G#0				
21	A-1	A0				
22	A#-1	A#0				
23	B-1	B0				
24	C0	C1				
25	C#0	C#1				
26	D0	D1				
27	D#0	D#1			Closed Hi-hat 2	
28	E0	E1			Pedal Hi-hat	
29	F0	F1			Open Hi-hat 2	
30	F#0	F#1			Ride Cymbal 1	
31	G0	G1				
32	G#0	G#1				
33	A0	A1				
34	A#0	A#1				
35	B0	B1	Jazz Kick 2	Jazz Kick 2	Concert BD 2	
36	C1	C2	Jazz Kick 1	Jazz Kick 1	Concert BD 1	
37	C#1	C#2				
38	D1	D2		Brush Tap	Concert SD	
39	D#1	D#2		Brush Slap	Castanets	High Q
40	E1	E2		Brush Swirl	Concert SD	Slap
41	F1	F2			Timpani F	Scratch Push
42	F#1	F#2			Timpani F#	Scratch Pull
43	G1	G2			Timpani G	Sticks
44	G#1	G#2			Timpani G#	Square Click
45	A1	A2			Timpani A	Metronome Click
46	A#1	A#2			Timpani A#	Metronome Bell
47	B1	B2			Timpani B	Guitar Fret
48	C2	C3			Timpani c	Guitar Cutting Noise Up
49	C#2	C#3			Timpani c#	Guitar Cutting Noise Down
50	D2	D3			Timpani d	String Slap of Double Bass
51	D#2	D#3			Timpani d#	Fl.Key Click
52	E2	E3			Timpani e	Laughing
53	F2	F3			Timpani f	Scream
54	F#2	F#3				Punch
55	G2	G3				Heart Beat
56	G#2	G#3				Footsteps 1
57	A2	A3			Concert Cymbal 2	Footsteps 2
58	A#2	A#3				Applause
59	B2	B3			Concert Cymbal 1	Door Creaking
60	C3	C4				Door
61	C#3	C#4				Scratch
62	D3	D4				Wind Chimes
63	D#3	D#4				Car-Engine
64	E3	E4				Car-Stop
65	F3	F4				Car-Pass
66	F#3	F#4				Car-Crash
67	G3	G4				Siren
68	G#3	G#4				Train
69	A3	A4				Jetplane
70	A#3	A#4				Helicopter
71	B3	B4				Starship
72	C4	C5				Gun Shot
73	C#4	C#5				Machine Gun
74	D4	D5				Lasergun
75	D#4	D#5				Explosion
76	E4	E5				Dog
77	F4	F5				Horse-Gallop
78	F#4	F#5				Birds
79	G4	G5				Rain
80	G#4	G#5				Thunder
81	A4	A5				Wind
82	A#4	A#5				Seashore
83	B4	B5				Stream
84	C5	C6				Bubble
85	C#5	C#6				
86	D5	D6				
87	D#5	D#6				
88	E5	E6			Applause	
89	F5	F6				
90	F#5	F#6				
91	G5	G6				

Style List / Liste der Styles / Liste des styles / Lista de estilos

PSR-S900

Category	Style Name
Pop&Rock	HardRock
	PowerRock
	FunkPopRock
	ContempRock
	AcousticRock
	Classic8Beat
	Uptempo8Beat
	Live8Beat
	Cool8Beat
	Straight8Pop
	VintageGtrPop
	ChartGuitarPop
	Jammin'GtrPop
	WestCoastPop
	RockGtrBallad
	BritPop
	BritPopSwing
	60's8Beat
	70's8Beat
	BubblegumPop
	60'sGuitarPop
	90'sGuitarPop
	60'sRock1
	60'sRock2
	RockShuffle
	Classic16Beat
	8BeatModern
	PopShuffle
	KoolShuffle
	JazzPop
	Unplugged1
	Unplugged2
	SoftRock
	J-PopHit1
	J-PopHit2
Ballad	8BeatBallad1
	8BeatBallad2
	PopGtrBallad
	EasyBallad
	PowerBallad
	16BeatBallad1
	16BeatBallad2
	80'sEPBallad
	NewR&BBallad
	UnpluggedChart
	EpicBallad
	EPBallad
	OrganBallad
	80'sBoyBand
	6-8SlowRock
	6-8AcousticPop
	6-8Modern
	6-8Orchestral
	12-8Ballad
	Chillout1
	Chillout2
	PopWaltz
	70'sPopBallad
	PianoBallad
	LoveSong
	PopNewAge
	AnalogBallad
	GuitarBallad
	GuitarSerenade
Dance	Ibiza1
	Ibiza2
	EuroTrance
	RetroPop
	TrancePop
	70'sDisco1
	70'sDisco2

Category	Style Name
Dance	70'sDiscoFunk
	DiscoPhilly
	DiscoHouse
	DreamDance
	FrenchHouse
	ClubHouse
	DiscoTeens
	House
	ChartR&B
	PopR&B
	NewR&B
	ClassicHipHop
	NewHipHop
	ChartPop1
	ChartPop2
	EuroHipHop
	HipHopGroove
	Garage
	TechnoParty
	DiscoChocolate
	LatinDJ's
	USPop
	TripHop
	80'sDisco
	6-8Trance
Swing&Jazz	ClassicBigBand
	OrchBigBand1
	OrchBigBand2
	ModernJazz
	AcousticJazz
	MediumJazz
	ModernJazzBld
	CoolJazzBallad
	EasyListening
	MORSwing
	Dixieland
	Ragtime
	Bebop
	BigBandFast1
	BigBandFast2
	40'sBigBand
	OrchestraSwing1
	OrchestraSwing2
	JazzWaltzFast
	MidnightSwing
	JazzClub
	Five-Four
	FrenchJazz
	OrganGroove
	JumpJive
	BigBandShuffle
	Charleston
R&B	BluesRock
	SoulBrothers
	FranklySoul
	JazzFunk
	6-8Soul
	R&BSoulBallad
	SlowBlues
	Rock&Roll1
	Rock&RollShfl
	Skiffle
	OldiesR&R
	MotorCity
	Soul
	DetroitPop1
	DetroitPop2
	GospelSwing
	GospelSisters
	Worship6-8
	WorshipSlow

Category	Style Name
R&B	WorshipMed
	WorshipFast
	ShuffleBlues
	BlueberryBlues
	60'sRock&Roll
	Rock&Roll2
	PianoBoogie
	Twist
	R&BBallad
	LovelyShuffle
	ModernR&B
	ComboBoogie
	BluesBallad
Country	NewCountry
	EasyCountry
	70'sChartCntry
	CountryStrum
	CountryHits
	Bluegrass
	Hoedown
	FolkPop
	CountryBallad
	CountryPop
	CountrySwing
	CountryShuffle
	CntrySing-a-Long
	CountryTwoStep
	CountryWaltz
	ModCntryBld1
	ModCntryBld2
	Country2-4
	CountryBrothers
	CountrySwingRk
	FingerPickin
Latin	BrazilianSamba
	BossaNova
	Bomba
	Salsa
	Guijira
	Bachata
	CubanSon
	BoleroLento
	Merengue
	PopLatin
	RumbaFlamenco1
	LatinDisco
	RockChaCha
	OrchestralBossa
	SlowBossa
	FastBossa
	PopBossa
	Beguine
	Calypso
	Danzon
	HappyReggae
	SheriffReggae
	PopMambo
	PopSalsa
	GuitarRumba
	RumbaIsland
	RumbaFlamenco2
Ballroom	VienneseWaltz
	EnglishWaltz
	Slowfox
	Foxtrot
	Quickstep
	Tango
	Pasodoble
	Samba
	ChaChaCha
	Rumba

PSR-S900

Category	Style Name
Ballroom	Jive
	Swingfox
	OrganSwing
	OrganSamba
	OrganQuickstep
	9-8Waltz
Movie&Show	Sci-fiMarch
	SecretService
	70'sTVTheme
	WildWest
	BaroqueAir
	OrchestralBolero
	MovieSwing
	MovieBallad
	MovieDisco
	SaturdayNight
	Moonlight6-8
	ClassicPianoBld
	OrchestralMarch
	PopClassics
	ChristmasSwing
	ChristmasShuffle
	ChristmasWaltz
	Showtune
	TapDanceSwing
	MoviePanther
	Learning2-4
	Learning4-4
	Learning6-8
	Fun3-4
	Fun4-4
Entertainer	70'sFrenchHit
	DiscoFox
	AlpBallad1
	AlpBallad2
	ScandShuffle
	ScandCountry1
	ScandCountry2
	ScandSlowRock
	ScandBugg
	Schlager6-8
	SchlagerPolka
	SchlagerSamba
	SchlagerShuffle
	SchlagerItalia
	SchlagerRock
	SchlagerAlp
	SchlagerPop
	SchlagerBeat
	SchlagerRumba
	PartyPolka
	PolkaPop
	GermanWaltz
	Tijuana
	PubPiano
	8BeatAdria
	DiscoHands
	Carnival
World	Flamenco
	SpanishPaso
	PopFlamenco
	FrenchMusette
	ItalianMazurka
	IrishHymn1
	IrishHymn2
	IrishDance
	Sirtaki
	OrientalPop
	HighlandWaltz
	ItalianWaltz
	FrenchWaltz

Category	Style Name
World	ScandWaltz
	MariachiWaltz
	Reel
	Jig
	GayGordons
	Tarantella
	OberPolka
	OberWaltzer
	Zouk
	Hawaiian
	USMarch
	6-8March
	GermanMarch
	Norteno
	ItalianPolka
	Enka1
	Enka2
	PopEnka
	FolkRock
	HullyGully
	LimboRock

PSR-S700

Category	Style Name
Pop&Rock	FunkPopRock
	AcousticRock
	Cool8Beat
	Straight8Pop
	VintageGtrPop
	ChartGuitarPop
	Jammin'GtrPop
	RockGtrBallad
	BritPopSwing
	70's8Beat
	BubblegumPop
	60'sGuitarPop
	90'sGuitarPop
	60'sRock1
	60'sRock2
	RockShuffle
	HardRock
	PowerRock
	8BeatModern
	KoolShuffle
	JazzPop
	Unplugged
	J-PopHit1
	J-PopHit2
Ballad	8BeatBallad
	PopGtrBallad
	EasyBallad
	PowerBallad
	16BeatBallad
	NewR&BBallad
	UnpluggedChart
	EPBallad
	OrganBallad
	6-8SlowRock
	6-8AcousticPop
	6-8Modern
	6-8Orchestral
	12-8Ballad
	Chillout
	70'sPopBallad
	PianoBallad
	LoveSong
Dance	Ibiza
	RetroPop
	70'sDisco
	DiscoPhilly
	DiscoHouse
	DreamDance
	FrenchHouse
	House
	NewR&B
	ClassicHipHop
	NewHipHop
	ChartPop
	EuroHipHop
	HipHopGroove
	Garage
	TechnoParty
	DiscoChocolate
	LatinDJ's
	80'sDisco
Swing&Jazz	OrchBigBand1
	OrchBigBand2
	AcousticJazz
	ModernJazzBld
	MORSwing
	Dixieland
	Ragtime
	BigBandFast
	OrchestraSwing1
	OrchestraSwing2
Swing&Jazz	JazzWaltzFast
	MidnightSwing
	JazzClub
	Five-Four
	OrganGroove
	JumpJive
	BigBandShuffle
	Charleston
R&B	BluesRock
	SoulBrothers
	FranklySoul
	JazzFunk
	6-8Soul
	SlowBlues
	Rock&Roll1
	OldiesR&R
	MotorCity
	Soul
	DetroitPop
	GospelSwing
	GospelSisters
	WorshipMed
	60'sRock&Roll
	Rock&Roll2
	Twist
	LovelyShuffle
	ModernR&B
	ComboBoogie
	BluesBallad
Country	NewCountry
	CountryHits
	Bluegrass
	Hoedown
	FolkPop
	CountryBallad
	CountryPop
	CountrySwing
	CountryShuffle
	CountryWaltz
	ModernCntryBld
	Country2-4
	CountrySwingRk
	FingerPickin
Latin	BrazilianSamba
	Bomba
	Salsa
	Guijira
	Bachata
	CubanSon
	Merengue
	LatinDisco
	RockChaCha
	OrchestralBossa
	FastBossa
	PopBossa
	Beguine
	Calypso
	Danzon
	HappyReggae
	PopMambo
	PopSalsa
	RumbaIsland
	RumbaFlamenco
Ballroom	VienneseWaltz
	EnglishWaltz
	Slowfox
	Foxtrot
	Quickstep
	Tango
	Pasodoble
	Samba
Ballroom	ChaChaCha
	Rumba
	Jive
	Swingfox
	OrganSwing
	OrganSamba
	OrganQuickstep
	9-8Waltz
Movie&Show	Sci-fiMarch
	SecretService
	70'sTVTheme
	WildWest
	BaroqueAir
	OrchestralBolero
	MovieBallad
	MovieDisco
	SaturdayNight
	Moonlight6-8
	ClassicPianoBld
	OrchestralMarch
	ChristmasSwing
	ChristmasWaltz
	Showtune
	TapDanceSwing
Entertainer	70'sFrenchHit
	DiscoFox
	AlpBallad
	ScandShuffle
	ScandSlowRock
	Schlager6-8
	SchlagerPolka
	SchlagerSamba
	SchlagerShuffle
	SchlagerPop
	SchlagerBeat
	PolkaPop
	TraditionalWaltz
	Tijuana
	PubPiano
	8BeatAdria
	DiscoHands
	Carnival
World	SpanishPaso
	PopFlamenco
	FrenchMusette
	IrishDance
	Sirtaki
	OrientalPop
	ItalianWaltz
	FrenchWaltz
	ScandWaltz
	Reel
	Jig
	Tarantella
	OberPolka
	OberWaltzer
	Hawaiian
	USMarch
	6-8March
	GermanMarch
	Enka
	PopEnka
	FolkRock

Multi Pad Bank List /Multi-Pad-Bank-Liste /Liste des banques multi-pads / Lista de bancos de Multi Pad

PSR-S900

Bank Name	Bank Name
E.Gtr16BtCut1	Oriental4
E.Gtr16BtCut2	Oriental5
E.Gtr16BtCut3	Oriental6
FunkyGtr16Bt1	Oriental7
FunkyGtr16Bt2	Oriental8
FunkyGtr16Bt3	ArabicPerc1
DiscoGuitar	ArabicPerc2
E.Gtr16BtShfl1	SnarePlay1
E.Gtr16BtShfl2	SnarePlay2
E.Gtr16BtPick	Cajon1
SteelTriplet1	Cajon2
SteelTriplet2	Shaker&Tamb
E.Gtr8BtShfl	Timbales&Tom
SteelGuitar6-8	EthnicPerc
E.Guitar6-8	BigBells
SteelGtrPick1	MagicBells
SteelGtrPick2	DrumEndings
SteelGtrPick3	PowerToms
SteelGtrPick4	PowerSnares
NylonGtrPick	CrashCymbals
NylonAccomp	PowerKit1
NylonBossa1	PowerKit2
NylonBossa2	DanceKit
A.GtrAccomp	LatinKit1
Steel8BtStrum1	LatinKit2
Steel8BtStrum2	Conga&Bongo2
SteelBsChdSlow	DanceMix1
SteelBsChdFast	DanceMix2
E.Gtr8BtStrm1	BreakBeatz
E.Gtr8BtStrm2	DJ-BasicSet
E.GtrRock1	HipHop1
E.GtrRock2	HipHop2
LatinKeys	HeavyShuffle
StringsArpeggio	NewR&B
TrumpetSwing	ScratchBank
MoodySaxes	
OrchestraHit	
Classical	
PianoGlissando	
PianoArp16Bt	
PianoArp8Bt	
HeavenArpegio	
TwinkleArpegio	
Gong&Chime	
TechSeq	
TranceSeq	
Harpeggio1	
Harpeggio2	
LatinPerc1	
LatinPerc2	
LatinPerc3	
LatinPerc4	
LatinPerc5	
Conga&Bongo1	
LatinPop	
Rumba&Soca	
SambaPerc	
Oriental1	
Oriental2	
Oriental3	

PSR-S700

Bank Name	Bank Name
E.Gtr16BtCut1	TimbalesPaila
E.Gtr16BtCut2	EthnicPerc
FunkyGtr16Bt1	BigBells
FunkyGtr16Bt2	MagicBells
E.Gtr16BtShfl1	DrumEndings
E.Gtr16BtShfl2	TomFlam
E.Gtr16BtPick	CrashKit
SteelTriplet1	DrumKit 1
SteelTriplet2	DrumKit 2
E.Gtr8BtShfl	DanceKit
SteelGuitar6-8	LatinKit1
E.Guitar6-8	LatinKit2
SteelGtrPick1	Conga&Bongo2
SteelGtrPick2	BreakBeatz
SteelGtrPick3	DJ-BasicSet
SteelGtrPick4	HipHop1
NylonBossa1	HipHop2
NylonBossa2	HeavyShuffle
Steel8BtStrum1	NewR&B
Steel8BtStrum2	ScratchBank
SteelBsChdSlow	
SteelBsChdFast	
E.Gtr8BtStrm1	
E.Gtr8BtStrm2	
E.GtrRock1	
E.GtrRock2	
LatinKeys	
StringsArpeggio	
MoodySaxes	
OrchestraHit	
Classical	
PianoGlissando	
PianoArp16Bt	
PianoArp8Bt	
HeavenArpegio	
TwinkleArpegio	
Gong&Chime	
TranceSeq	
Harpeggio1	
Harpeggio2	
LatinPerc1	
LatinPerc2	
LatinPerc3	
LatinPerc4	
LatinPerc5	
Conga&Bongo1	
LatinPop	
Rumba&Soca	
SambaPerc	
Oriental1	
Oriental2	
Oriental3	
Oriental4	
Oriental5	
Oriental6	
Oriental7	
Oriental8	
ArabicPerc1	
ArabicPerc2	
Shaker&Tamb	

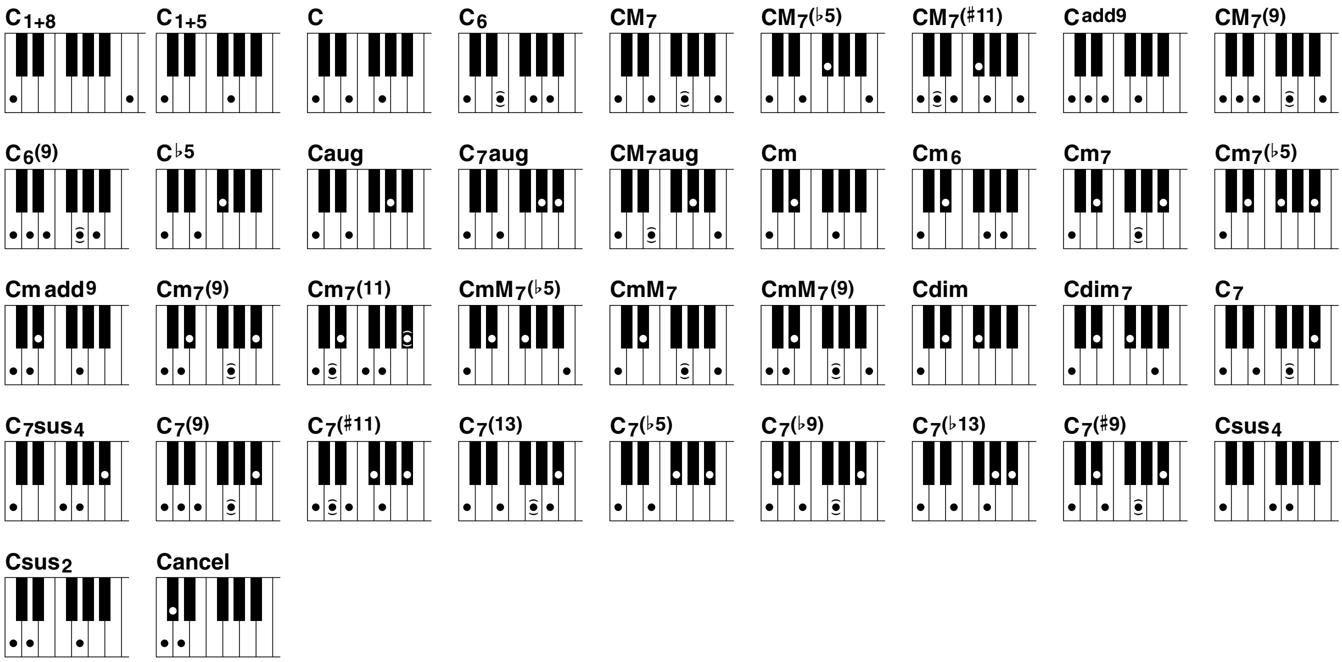
Operation: [DIRECT ACCESS] button + button listed below		Function of the accessed LCD display				
STYLE CONTROL	[ACMP]	FUNCTION	STYLE SETTING/SPLIT POINT/ CHORD FINGERING	CHORD FINGERING	—	
	[AUTO FILL IN]					
	[OTS LINK]			STYLE SETTING		
	[BREAK]					
	INTRO [I]					
	INTRO [II]					
	INTRO [III]					
	MAIN VARIATION [A]					
	MAIN VARIATION [B]					
	MAIN VARIATION [C]					
	MAIN VARIATION [D]					
	ENDING/rit. [I]					
	ENDING/rit. [II]					
	ENDING/rit. [III]					
	[SYNC START]			SPLIT POINT		
	[SYNC STOP]			STYLE SETTING		
	[START/STOP]					
STYLE	[POP & ROCK]	FUNCTION	STYLE SETTING/SPLIT POINT/ CHORD FINGERRING	STYLE SETTING	—	
	[BALLAD]					
	[DANCE]					
	[SWING & JAZZ]					
	[R & B]					
	[COUNTRY]					
	[LATIN]					
	[BALLROOM]					
	[MOVIE & SHOW]					
	[ENTERTAINER]					
	[WORLD]					
	[USER]					
SONG	[SELECT]	FUNCTION	SONG SETTING	—	—	
	[SCORE]					
	[LYRICS/TEXT] (PSR-S900) [LYRICS] (PSR-S700)					
	[TR1]					
	[TR2]					
	[EXTRA TR]					
	[GUIDE]					
	[REPEAT]					
	[▶▶] (FF)					
	[◀◀] (REW)					
	[▶ / ❚❚] (PLAY/PAUSE)					
	[■] (STOP)					
	[REC]					
[TAP TEMPO]		FUNCTION	UTILITY	CONFIG 1	TAP	
TEMPO	[+]		STYLE SETTING/SPLIT POINT/ CHORD FINGERRING	STYLE SETTING	—	
	[–]					
[METRONOME]			UTILITY	CONFIG 1	METRONOME	
[FADE IN/OUT]					FADE IN/OUT	
TRANSPOSE	[+]	FUNCTION	CONTROLLER	KEYBOARD/PANEL	TRANSPOSE ASSIGN	
	[–]					
UPPER OCTAVE	[+]	MIXING CONSOLE	TUNE	—	—	*
	[–]					*
MULTI PAD	[SELECT]	FUNCTION	DIGITAL REC MENU	MULTI PAD CREATOR	RECORD	
	[STOP]					
	[1]	MULTIPAD CONTROL SELECT	MULTI PAD EDIT	—	—	
	[2]					
	[3]					
	[4]					
[DEMO]		FUNCTION	UTILITY	OWNER	—	
[FUNCTION]		FUNCTION	MIDI	PRESET	—	
[MIXING CONSOLE]		MIXING CONSOLE	VOL/VOICE	—	—	*
[BALANCE]						*
[CHANNEL ON/OFF]						*
[USB]		FUNCTION	UTILITY	MEDIA	—	
[INTERNET]		FUNCTION	UTILITY	CONFIG 2	—	
[DIRECT ACCESS]		—	—	—	—	
TAB	[▶]	—	—	—	—	
	[◀]	—	—	—	—	
[ENTER]		—	—	—	—	
[EXIT]		MAIN	—	—	—	
DATA ENTRY DIAL		—	—	—	—	
VOICE	PART SELECT [LEFT]	FUNCTION	REGIST SEQUENCE/FREEZE/ VOICE SET	VOICE SET	LEFT	
	PART SELECT [RIGHT 1]				RIGHT 1	
	PART SELECT [RIGHT 2]				RIGHT 2	
	PART ON/OFF [LEFT]				LEFT	
	PART ON/OFF [RIGHT 1]				RIGHT 1	
	PART ON/OFF [RIGHT 2]				RIGHT 2	
	[LEFT HOLD]		STYLE SETTING/SPLIT POINT/ CHORD FINGERRING	SPLIT POINT	—	
	[PIANO]	FUNCTION	REGIST SEQUENCE/FREEZE/ VOICE SET	VOICE SET	—	*
	[E.PIANO]					*
	[STRINGS]					*
	[GUITAR & BASS]					*
	[SAXOPHONE]					*
	[FLUTE & WOODWIND]					*
	[ORGAN]					*
	[TRUMPET]					*
	[BRASS]					*
	[ACCORDION & HARMONICA]					*
	[CHOIR & PAD]					*

Direct Access Chart / Tabelle Direktzugriff / Feuille d'accès direct / Gráfico de acceso directo

Operation: [DIRECT ACCESS] button + button listed below		Function of the accessed LCD display				
VOICE	[SYNTH. & FX]	FUNCTION	REGIST SEQUENCE/FREEZE/ VOICE SET	VOICE SET	—	*
	[PERC. & DRUM KIT]					*
	[ORGAN FLUTES]					*
	[USER]					*
VOICE CONTROL	[HARMONY/ECHO]	FUNCTION	HARMONY/ECHO	—	—	
	[TOUCH]		CONTROLLER	KEYBOARD/PANEL	INITIAL TOUCH	
	[SUSTAIN]	MIXING CONSOLE	EFFECT	—	—	*
	[MONO]		TUNE	—	—	*
	[DSP]		EFFECT	—	—	*
	[VARI.]			—	—	
[MUSIC FINDER]		MUSIC FINDER	MUSIC FINDER SEARCH 1	—	—	
ONE TOUCH SETTING	[1]	FUNCTION	STYLE SETTING/SPLIT POINT/ CHORD FINGERRING	SPLIT POINT	—	
	[2]					
	[3]					
	[4]					
[MIC SETTING/VOCAL HARMONY] (PSR-S900)		MIC SETTING/VOCAL HARMONY	VOCAL HARMONY TYPE	—	—	
REGISTRATION MEMORY	REGIST BANK [+]	FUNCTION	REGIST SEQUENCE/FREEZE/ VOICE SET	REGISTRATION SEQUENCE	—	
	REGIST BANK [–]					
	[FREEZE]			FREEZE	—	
	[MEMORY]			REGISTRATION SEQUENCE	—	
	[1]	REGISTRATION BANK Selection Display	REGISTRATION EDIT	—	—	
	[2]					
	[3]					
	[4]					
	[5]					
	[6]					
	[7]					
	[8]					
PEDAL	FOOT PEDAL 1	FUNCTION	CONTROLLER	FOOT PEDAL	—	
	FOOT PEDAL 2					
MODULATION		FUNCTION	CONTROLLER	KEYBOARD/PANEL	MODULATION WHEEL	
PITCH BEND		MIXING CONSOLE	TUNE	—	—	*

* The cursor position differs depending on the current keyboard part.

Chord Types Recognized in the Fingered Mode / Im Fingered-Modus erkannte Akkordarten / Types d'accords reconnus en mode Fingered / Tipos de acordes reconocidos en el modo Fingered (digitado)



Chord Name [Abbreviation]	Normal Voicing	Display for root "C"
1+8	1+8	C1+8
1+5	1+5	C1+5
Major [M]	1+3+5	C
Sixth [6]	1+(3)+5+6	C6
Major seventh [M7]	1+3+(5)+7	CM7
Major seventh flatted fifth [M7♭5]	1+3+♭5+7	CM7(♭5)
Major seventh add sharp eleventh [M7(♯11)]	1+(2)+3+♯4+5+7	CM7(♯11)
Add ninth [(9)]	1+2+3+5	Cadd9
Major seventh ninth [M7_9]	1+2+3+(5)+7	CM7(9)
Sixth ninth [6_9]	1+2+3+(5)+6	C6(9)
Flatted fifth [(♭5)]	1+3+♭5	C♭5
Augmented [aug]	1+3+♯5	Caug
Seventh augmented [7aug]	1+3+♯5+♭7	C7aug
Major seventh augmented [M7aug]	1+(3)+♯5+7	CM7aug
Minor [m]	1+♭3+5	Cm
Minor sixth [m6]	1+♭3+5+6	Cm6
Minor seventh [m7]	1+♭3+(5)+♭7	Cm7
Minor seventh flatted fifth [m7♭5]	1+♭3+♭5+♭7	Cm7(♭5)
Minor add ninth [m(9)]	1+2+♭3+5	Cm add9
Minor seventh ninth [m7(9)]	1+2+♭3+(5)+♭7	Cm7(9)
Minor seventh eleventh [m7(11)]	1+(2)+♭3+4+5+(♭7)	Cm7(11)
Minor major seventh flatted fifth [mM7♭5]	1+♭3+♭5+7	CmM7(♭5)
Minor major seventh [mM7]	1+♭3+(5)+7	CmM7
Minor major seventh ninth [mM7(9)]	1+2+♭3+(5)+7	CmM7(9)
Diminished [dim]	1+♭3+♭5	Cdim
Diminished seventh [dim7]	1+♭3+♭5+6	Cdim7
Seventh [7]	1+3+(5)+♭7	C7
Seventh suspended fourth [7sus4]	1+4+5+♭7	C7sus4
Seventh ninth [7(9)]	1+2+3+(5)+♭7	C7(9)
Seventh add sharp eleventh [7(♯11)]	1+(2)+3+♯4+5+♭7	C7(♯11)
Seventh add thirteenth [7(13)]	1+3+(5)+6+♭7	C7(13)
Seventh flatted fifth [7♭5]	1+3+♭5+♭7	C7(♭5)
Seventh flatted ninth [7(♭9)]	1+♭2+3+(5)+♭7	C7(♭9)
Seventh add flatted thirteenth [7(♭13)]	1+3+5+♭6+♭7	C7(♭13)
Seventh sharp ninth [7(♯9)]	1+♯2+3+(5)+♭7	C7(♯9)
Suspended fourth [sus4]	1+4+5	Csus4
One plus two plus five [sus2]	1+2+5	Csus2
cancel	1+♭2+2	Cancel

* Notes in parentheses can be omitted.

Effect Type List / Liste der Effekttypen / Liste des types d'effet / Lista de tipos de efecto

Reverb Block

Type	Description	MSB	LSB
HALL1	Reverb simulating the acoustics of a hall.	1	0
HALL2		1	16
HALL3		1	17
HALL4		1	18
HALL5		1	1
HALL M		1	6
HALL L		1	7
ROOM1	Reverb simulating the acoustics of a room.	2	16
ROOM2		2	17
ROOM3		2	18
ROOM4		2	19
ROOM5		2	0
ROOM6		2	1
ROOM7		2	2
ROOM S		2	5
ROOM M		2	6
ROOM L		2	7
STAGE1	Reverb suitable for a solo instrument.	3	16
STAGE2		3	17
STAGE3		3	0
STAGE4		3	1
PLATE1	Reverb simulating a plate reverb unit.	4	16
PLATE2		4	17
PLATE3		4	0
GM PLATE		4	7
WHITE ROOM	A unique short reverb with a bit of initial delay.	16	0
TUNNEL	Simulates a cylindrical space expanding to left and right.	17	0
CANYON	A hypothetical acoustic space which extends without limit.	18	0
BASEMENT	A bit of initial delay followed by reverb with a unique resonance.	19	0
LARGE HALL	Reverb simulating the acoustics of a hall.	1	2
MEDIUM HALL		1	3
WARM ROOM	Reverb simulating the acoustics of a warm room.	2	3
WOODY ROOM	Reverb simulating the acoustics of a woody room.	2	4
RICH PLATE	Reverb simulating a rich plate reverb unit.	4	1
NO EFFECT	No effect.	0	0

Chorus Block

Type	Description	MSB	LSB
CHORUS1	Conventional chorus program with rich, warm chorusing.	66	17
CHORUS2		66	8
CHORUS3		66	16
CHORUS4		66	1
CHORUS5		65	2
CHORUS6		65	0
CHORUS7		65	1
CHORUS8		65	8
GM CHORUS1		65	3
GM CHORUS2		65	4
GM CHORUS3		65	5
GM CHORUS4		65	6
FB CHORUS		65	7
CELESTE1	A 3-phase LFO adds modulation and spaciousness to the sound.	66	0
CELESTE2		66	2
FLANGER1	Creates a sound reminiscent of a jet airplane.	67	8
FLANGER2		67	16
FLANGER3		67	17
FLANGER4		67	1
FLANGER5		67	0
GM FLANGER		67	7
SYMPHONIC1	Adds more stages to the modulation of Celeste.	68	16
SYMPHONIC2		68	0
PHASER1	Cyclically modulates the phase to add modulation to the sound.	72	0
* PHASER2		72	8
EP PHASER1		72	17
EP PHASER2		72	18
EP PHASER3		72	16
ENS DETUNE (Ensemble Detune)	Chorus effect without modulation, created by adding a slightly pitch-shifted sound.	87	0
ROTARY SP5	Simulates a rotary speaker.	66	18
NO EFFECT	No effect.	0	0

DSP1 – 4 Block

Panel Block Name	XG Block Name
DSP1	XG Variation Block
DSP2	XG Insertion1 Block
DSP3	XG Insertion2 Block
DSP4	XG Insertion3 Block

	Type	Description	MSB	LSB
	HALL1	Reverb simulating the acoustics of a hall.	1	0
	HALL2		1	16
	HALL3		1	17
	HALL4		1	18
	HALL5		1	1
	HALL M		1	6
	HALL L		1	7
	ROOM1	Reverb simulating the acoustics of a room.	2	16
	ROOM2		2	17
	ROOM3		2	18
	ROOM4		2	19
	ROOM5		2	0
	ROOM6		2	1
	ROOM7		2	2
	ROOM S		2	5
	ROOM M		2	6
	ROOM L		2	7
	STAGE1	Reverb suitable for a solo instrument.	3	16
	STAGE2		3	17
	STAGE3		3	0
	STAGE4		3	1
	PLATE1	Reverb simulating a plate reverb unit.	4	16
	PLATE2		4	17
	PLATE3		4	0
	GM PLATE		4	7
*1	WHITE ROOM	A unique short reverb with a bit of initial delay.	16	0
*1	TUNNEL	Simulates a cylindrical space expanding to left and right.	17	0
*1	CANYON	A hypothetical acoustic space which extends without limit.	18	0
*1	BASEMENT	A bit of initial delay followed by reverb with a unique resonance.	19	0
	DELAY LCR1	Produces three delayed sounds: L, R and C (center).	5	16
	DELAY LCR2		5	0
	DELAY LR	Produces two delayed sounds: L and R. Two feedback delays are provided.	6	0
	ECHO	Two delayed sounds (L and R), and independent feedback delays for L and R.	7	0
	CROSS DELAY	The feedback of the two delayed sounds is crossed.	8	0
	TEMPO DELAY	Tempo-synchronized delay.	21	0
	TEMPO ECHO	Tempo-synchronized echo.	21	8
	TEMPO CROSS	Tempo-synchronized cross delay.	22	0
	KARAOKE1	Echo for karaoke.	20	0
	KARAOKE2		20	1
	KARAOKE3		20	2
*1	ER1	This effect isolates only the early reflection components of the reverb.	9	0
*1	ER2		9	1
*1	GATE REVERB	Simulation of gated reverb.	10	0
*1	REVERS GATE	Simulation of gated reverb played back in reverse.	11	0
	CHORUS1	Conventional chorus program with rich, warm chorusing.	66	17
	CHORUS2		66	8
	CHORUS3		66	16
	CHORUS4		66	1
	CHORUS5		65	2
	CHORUS6		65	0
	CHORUS7		65	1
	CHORUS8		65	8
	GM CHORUS1		65	3
	GM CHORUS2		65	4
	GM CHORUS3		65	5
	GM CHORUS4		65	6
	FB CHORUS		65	7
	CELESTE1	A 3-phase LFO adds modulation and spaciousness to the sound.	66	0
	CELESTE2		66	2
	SYMPHONIC1	Adds more stages to the modulation of Celeste.	68	16
	SYMPHONIC2		68	0
	ENS DETUNE (Ensemble Detune)	Chorus effect without modulation, created by adding a slightly pitch-shifted sound.	87	0
	FLANGER1	Creates a sound reminiscent of a jet airplane.	67	8
	FLANGER2		67	16
	FLANGER3		67	17
	FLANGER4		67	1
	FLANGER5		67	0
	GM FLANGER		67	7
*1	V_FLANGER		104	0
*1	T_FLANGER		107	0
*1	DYN FLANGER	Dynamically controlled flanger.	110	0
	PHASER1	Cyclically modulates the phase to add modulation to the sound.	72	0
*1	PHASER2		72	8

Effect Type List / Liste der Effekttypen / Liste des types d'effet / Lista de tipos de efecto

	Type	Description	MSB	LSB
	EP PHASER1	Cyclically modulates the phase to add modulation to the sound.	72	17
	EP PHASER2		72	18
	EP PHASER3		72	16
*1	T_PHASER		108	0
*1	DYN PHASER		111	0
	DIST HEAVY (Distortion Heavy)	Heavy distortion.	73	0
*1	ST DIST (Stereo Distortion)	Stereo distortion.	73	8
*1	COMP+DIST1 (Compressor + Distortion1)	Since a Compressor is included in the first stage, steady distortion can be produced regardless of changes in input level.	73	16
*1	COMP+DIST2 (Compressor + Distortion2)		73	1
	OVERDRIVE	Adds mild distortion to the sound.	74	0
*1	ST OD (Stereo Overdrive)	Stereo Overdrive.	74	8
	DIST HARD (Distortion Hard)	Hard-edge distortion.	75	16
	DIST HARD2 (Distortion Hard 2)		75	22
	DIST SOFT (Distortion Soft)	Soft, warm distortion.	75	17
	DIST SOFT2 (Distortion Soft2)		75	23
*1	ST DIST HARD (Stereo Distortion Hard)	Hard-edge stereo distortion.	75	18
*1	ST DIST SOFT (Stereo Distortion Soft)	Soft, warm soft distortion.	75	19
*1	V_DIST HARD (V Distortion Hard)	Distortion which simulates vintage tube and fuzz sounds.	98	0
*1	V_DIST SOFT (V Distortion Soft)		98	2
	AMP SIM1 (Amp Simulator 1)	A simulation of a guitar amp.	75	0
*1	AMP SIM2 (Amp Simulator 2)		75	1
*1	ST AMP1 (Stereo Amp Simulator1)	Stereo amp simulator.	75	20
*2	ST AMP2 (Stereo Amp Simulator 2)		75	21
*1	ST AMP3 (Stereo Amp Simulator 3)		75	8
*1	ST AMP4 (Stereo Amp Simulator 4)		75	24
*2	ST AMP5 (Stereo Amp Simulator 5)		75	25
*2	ST AMP6 (Stereo Amp Simulator 6)		75	26
*1	DST+DELAY1 (Distortion + Delay 1)	Distortion and Delay are connected in series.	95	16
*1	DST+DELAY2 (Distortion + Delay 2)		95	0
*1	OD+DELAY1 (Overdrive + Delay 1)	Overdrive and Delay are connected in series.	95	17
*1	OD+DELAY2 (Overdrive + Delay 2)		95	1
*1	CMP+DST+DLY1 (Compressor + Distortion + Delay 1)	Compressor, Distortion and Delay are connected in series.	96	16
*1	CMP+DST+DLY2 (Compressor + Distortion + Delay2)		96	0
*1	CMP+OD+DLY1 (Compressor + Overdrive + Delay 1)	Compressor, Overdrive and Delay are connected in series.	96	17
*1	CMP+OD+DLY2 (Compressor + Overdrive + Delay 2)		96	1
*1	V_DST H+DLY (V Distortion Hard + Delay)	V Distortion Hard and Delay are connected in series.	98	1
*1	V_DST S+DLY (V Distortion Soft + Delay)	V Distortion Soft and Delay are connected in series.	98	3
*1	DST+TDLY (Distortion + Tempo Delay)	Distortion and Tempo Delay are connected in series.	100	0
*1	OD+TDLY (Overdrive + Tempo Delay)	Overdrive and Tempo Delay are connected in series.	100	1
*1	CMP+DST+TDL (Compressor + Distortion + Tempo Delay)	Compressor, Distortion and Tempo Delay are connected in series.	101	0
*1	CMP+OD+TDLY 1 (Compressor + Overdrive + Tempo Delay 1)	Compressor, Overdrive and Tempo Delay are connected in series.	101	1
*1	CMP+OD+TDLY 2 (Compressor + Overdrive + Tempo Delay 2)		101	16
*1	CMP+OD+TDLY 3 (Compressor + Overdrive + Tempo Delay 3)		101	17
*1	CMP+OD+TDLY 4 (Compressor + Overdrive + Tempo Delay 4)		101	18
*1	CMP+OD+TDLY 5 (Compressor + Overdrive + Tempo Delay 5)		101	19
*1	CMP+OD+TDLY 6 (Compressor + Overdrive + Tempo Delay 6)		101	20
*1	V_DST H+TDLY (V Distortion Hard + Tempo Delay)	V Distortion Hard and Tempo Delay are connected in series.	103	0
*1	V_DST S+TDL1 (V Distortion Soft + Tempo Delay1)	V Distortion Soft and Tempo Delay are connected in series.	103	1
*1	V_DST S+TDL2 (V Distortion Soft + Tempo Delay2)		103	16
*1	PITCH CHG1 (Pitch Change 1)	Changes the pitch of the input signal.	80	16
*1	PITCH CHG2 (Pitch Change 2)		80	0
*1	PITCH CHG3 (Pitch Change 3)		80	1
	AUTO WAH1	Cyclically modulates the center frequency of a wah filter.	78	16
	AUTO WAH2		78	0
*1	AT WAH+DST1 (Auto Wah + Distortion 1)	The output of an Auto Wah can be distorted by Distortion.	78	17
*1	AT WAH+DST2 (Auto Wah + Distortion2)		78	1
*1	AT WAH+OD1 (Auto Wah + Overdrive 1)	The output of an Auto Wah can be distorted by Overdrive.	78	18
*1	AT WAH+OD2 (Auto Wah + Overdrive 2)		78	2
	TOUCH WAH1	Changes the center frequency of a wah filter according to the input level.	82	0
	TOUCH WAH2		82	8
*1	TC WAH+DST1 (Touch Wah + Distortion 1)	The output of an Touch Wah can be distorted by Distortion.	82	16
*1	TC WAH+DST2 (Touch Wah + Distortion 2)		82	1
*1	TC WAH+OD1 (Touch Wah + Overdrive 1)	The output of an Touch Wah can be distorted by Overdrive.	82	17
*1	TC WAH+OD2 (Touch Wah + Overdrive 2)		82	2
	CLAVI TC WAH (Clavi Touch Wah)	Clavinet Touch Wah	82	18
	EP TC WAH (EP Touch Wah)	EP Touch Wah	82	19
*1	WH+DST+DLY1 (Wah + Distortion + Delay 1)	Wah, Distortion and Delay are connected in series.	97	16
*1	WH+DST+DLY2 (Wah + Distortion + Delay2)		97	0
*1	WH+DST+TDLY (Wah + Distortion + Tempo Delay)	Wah, Distortion and Tempo Delay are connected in series.	102	0
*1	WH+OD+DLY1 (Wah + Overdrive + Delay 1)	Wah, Overdrive and Delay are connected in series.	97	17
*1	WH+OD+DLY2 (Wah + Overdrive + Delay 2)		97	1
*1	WH+OD+TDLY1 (Wah + Overdrive + Tempo Delay 1)	Wah, Overdrive and Tempo Delay are connected in series.	102	1
*1	WH+OD+TDLY2 (Wah + Overdrive + Tempo Delay 2)		102	16

	Type	Description	MSB	LSB
*1	MBAND COMP	Multi-band compressor that allows you to adjust the compression effect for individual frequency bands.	105	0
	COMPRESSOR	Holds down the output level when a specified input level is exceeded. A sense of attack can also be added to the sound.	83	0
	NOISE GATE	Gates the input when the input signal falls below a specified level.	84	0
	ROTARY SP1 (Rotary Speaker 1)	Simulates a rotary speaker.	69	16
	ROTARY SP2 (Rotary Speaker 2)		71	17
	ROTARY SP3 (Rotary Speaker 3)		71	18
	ROTARY SP4 (Rotary Speaker 4)		70	17
	ROTARY SP5 (Rotary Speaker 5)		66	18
	ROTARY SP6 (Rotary Speaker 6)		69	0
	ROTARY SP7 (Rotary Speaker 7)		71	22
*1	2WAY ROT SP (2-way Rotary Speaker)		86	0
*1	DST+ROT SP (Distortion + Rotary Speaker)	Distortion and rotary speaker connected in series.	69	1
*1	DST+2ROT SP (Distortion + 2-way Rotary Speaker)	Distortion and 2-way rotary speaker connected in series.	86	1
*1	OD+ROT SP (Overdrive + Rotary Speaker)	Overdrive and rotary speaker connected in series.	69	2
*1	OD+2ROT SP (Overdrive + 2-way Rotary Speaker)	Overdrive and 2-way rotary speaker connected in series.	86	2
*1	AMP+ROT SP (Amp Simulator + Rotary Speaker)	Amp simulator and rotary speaker connected in series.	69	3
*1	AMP+2ROT SP (Amp Simulator + 2-way Rotary Speaker)	Amp simulator and 2-way rotary speaker connected in series.	86	3
*1	DUAL ROT SP1 (Dual Rotor Speaker 1)	Rotary speaker simulation with speed switching.	99	0
*1	DUAL ROT SP2 (Dual Rotor Speaker 2)		99	1
	TREMOLO1	Rich Tremolo effect with both volume and pitch modulation.	70	16
	TREMOLO2		71	19
	TREMOLO3		70	0
	EP TREMOLO		70	18
	GT TREMOLO1 (Guitar Tremolo 1)		71	20
	GT TREMOLO2 (Guitar Tremolo 2)		70	19
	VIBE VIBRATE	Vibraphone effect	119	0
	AUTO PAN1	Several panning effects that automatically shift the sound position (left, right, front, back).	71	16
	AUTO PAN2		71	0
	EP AUTOPAN		71	21
*1	AUTO PAN3		71	1
	EQ DISCO	Equalizer effect that boosts both high and low frequencies, as is typical in most disco music.	76	16
	EQ TEL	Equalizer effect that cuts both high and low frequencies, to simulate the sound heard through a telephone receiver.	76	17
	2BAND EQ	A stereo EQ with adjustable LOW and HIGH. Ideal for drum Parts.	77	0
	3BAND EQ	A mono EQ with adjustable LOW, MID, and HIGH equalizing.	76	0
	HM ENHANCE1 (Harmonic Enhancer 1)	Adds new harmonics to the input signal to make the sound stand out.	81	16
	HM ENHANCE2 (Harmonic Enhancer 2)		81	0
	ST 3BAND EQ	An EQ which allows equalization of low, mid and high bands.	76	18
*1	VCE CANCEL (Voice Cancel)	Attenuates the vocal part of a CD or other source.	85	0
*1	AMBIENCE	Blurs the stereo positioning of the sound to add spatial width.	88	0
*1	TALKING MOD (Talking Modulation)	Adds a vowel sound to the input signal.	93	0
*1	LO-FI	Degrades the audio quality of the input signal.	94	0
*1	DYN FILTER	Dynamically controlled filter.	109	0
*1	DYN RINGMOD	Dynamically controlled Ring Modulator.	112	0
*1	RING MOD	An effect that modifies the pitch by applying amplitude modulation to the frequency of the input.	113	0
*1	ISOLATOR	Controls the level of a specified frequency band of the input signal.	115	0
*3	NO EFFECT	No effect.	0	0
	THRU	Bypass without applying an effect.	64	0

*1 These types are not available for DSP 2 – 4.
*2 These types become mono for DSP 2 – 4.
*3 DSP1 only

Effect Parameter List / Liste der Effektparameter / Liste des paramètres d’effets / Lista de parámetros de efectos

- Parameters marked with a ● in the “Control” column can be controlled from an AC1 (assignable controller 1) etc. However, these only affectinsertion type effects.
- For details on each effect type, refer to the Effect Type List.

Panel Effect Type

HALL1, 2, 3, 4, 5, HALLM, HALLL
ROOM1, 2, 3, 4, 5, 6, 7, ROOMS, ROOMM, ROOML
STAGE1, 2, 3, 4
PLATE1, 2, 3, GM PLATE
(Reverb, all the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	Reverb Time	0.3 – 30.0s	0 – 69	table#4	
2	Diffusion	0 – 10	0 – 10		
3	Initial Delay	0.1mS – 200.0mS (*1) 0.1mS – 99.3mS (*2, 3)	0 – 127 0 – 63	table#5	
4	HPF Cutoff	Thru – 8.0kHz	0 – 52	table#3	
5	LPF Cutoff	1.0kHz – Thru	34 – 60	table#3	
6					
7					
8					
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11	Rev Delay	0.1mS – 200.0mS (*1) 0.1mS – 99.3mS (*2, 3)	0 – 127 0 – 63	table#5	
12	Density	0 – 4 (*1, 2) 0 – 2 (*3)	0 – 4 0 – 2		
13	Er/Rev Balance	E63>R – E=R – E<R63	1 – 127		
14	High Damp	0.1 – 1.0	1 – 10		
15	Feedback Level	-63 – +63	1 – 127	(table#16)	
16					

LARGE HALL, MEDIUM HALL
WARM ROOM, WOODY ROOM
RICH PLATE
(Reverb block)

No.	Parameter	Display	Value	See Table	Control
1	Reverb Time	0.3 – 30.0s	0 – 69	table#4	
2	Diffusion	0 – 10	0 – 10		
3	Initial Delay	0.1mS – 200.0mS	0 – 127	table#5	
4	HPF Cutoff	Thru – 8.0kHz	0 – 52	table#3	
5	LPF Cutoff	1.0kHz – Thru	34 – 60	table#3	
6					
7					
8					
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11					
12					
13					
14	High Damp	0.1 – 1.0	1 – 10		
15					
16					

DELAY LCR1, DELAY LCR2
(All the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	Lch Delay	0.1 – 1638.3ms (*2) 0.1 – 1486.0ms (*3)	1 – 16383 1 – 14860		
2	Rch Delay	0.1 – 1638.3ms (*2) 0.1 – 1486.0ms (*3)	1 – 16383 1 – 14860		
3	Cch Delay	0.1 – 1638.3ms (*2) 0.1 – 1486.0ms (*3)	1 – 16383 1 – 14860		
4	Feedback Delay	0.1 – 1638.3ms (*2) 0.1 – 1486.0ms (*3)	1 – 16383 1 – 14860		
5	Feedback Level	-63 – +63	1 – 127	(table#16)	
6	Cch Level	0 – 127	0 – 127	(table#18)	
7	High Damp	0.1 – 1.0	1 – 10		
8					
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11					
12					
13	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
14	EQ Low Gain	-12 – +12dB	52 – 76		
15	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
16	EQ High Gain	-12 – +12dB	52 – 76		

DELAY LR
(All the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	Lch Delay	0.1 – 1638.3ms (*2) 0.1 – 1486.0ms (*3)	1 – 16383 1 – 14860		
2	Rch Delay	0.1 – 1638.3ms (*2) 0.1 – 1486.0ms (*3)	1 – 16383 1 – 14860		
3	Feedback Delay 1	0.1 – 1638.3ms (*2) 0.1 – 1486.0ms (*3)	1 – 16383 1 – 14860		
4	Feedback Delay 2	0.1 – 1638.3ms (*2) 0.1 – 1486.0ms (*3)	1 – 16383 1 – 14860		
5	Feedback Level	-63 – +63	1 – 127	(table#16)	
6	High Damp	0.1 – 1.0	1 – 10		
7					
8					
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11					
12					
13	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
14	EQ Low Gain	-12 – +12dB	52 – 76		
15	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
16	EQ High Gain	-12 – +12dB	52 – 76		

ECHO
(All the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	Lch Delay1	0.1 – 1486.0ms (*2) 0.1 – 743.0ms (*3)	1 – 14860 1 – 7430		
2	Lch Feedback Level	-63 – +63	1 – 127	(table#16)	
3	Rch Delay1	0.1 – 1486.0ms (*2) 0.1 – 743.0ms (*3)	1 – 14860 1 – 7430		
4	Rch Feedback Level	-63 – +63	1 – 127	(table#16)	
5	High Damp	0.1 – 1.0	1 – 10		
6	Lch Delay2	0.1 – 1486.0ms (*2) 0.1 – 743.0ms (*3)	1 – 14860 1 – 7430		
7	Rch Delay2	0.1 – 1486.0ms (*2) 0.1 – 743.0ms (*3)	1 – 14860 1 – 7430		
8	Delay2 Level	0 – 127	0 – 127	(table#18)	
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11					
12					
13	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
14	EQ Low Gain	-12 – +12dB	52 – 76		
15	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
16	EQ High Gain	-12 – +12dB	52 – 76		

CROSS DELAY
(All the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	L->R Delay	0.1 – 1486.0ms (*2) 0.1 – 743.0ms (*3)	1 – 14860 1 – 7430		
2	R->L Delay	0.1 – 1486.0ms (*2) 0.1 – 743.0ms (*3)	1 – 14860 1 – 7430		
3	Feedback Level	-63 – +63	1 – 127	(table#16)	
4	Input Select	L, R, L&R	0 – 2		
5	High Damp	0.1 – 1.0	1 – 10		
6					
7					
8					
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11					
12					
13	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
14	EQ Low Gain	-12 – +12dB	52 – 76		
15	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
16	EQ High Gain	-12 – +12dB	52 – 76		

ER1, ER2
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Type	S-H, L-H, Rdm, Rvs, Plt, Spr	0 – 5		
2	Room Size	0.1 – 20.0	0 – 127	table#6	
3	Diffusion	0 – 10	0 – 10		
4	Initial Delay	0.1mS – 200.0mS	0 – 127	table#5	
5	Feedback Level	-63 – +63	1 – 127	(table#16)	
6	HPF Cutoff	Thru – 8.0kHz	0 – 52	table#3	
7	LPF Cutoff	1.0kHz – Thru	34 – 60	table#3	
8					
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11	Liveness	0 – 10	0 – 10		
12	Density	0 – 3	0 – 3		
13	High Damp	0.1 – 1.0	1 – 10		
14					
15					
16					

GATE REVERB
REVERS GATE
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Type	TypeA, TypeB	0 – 1		
2	Room Size	0.1 – 20.0	0 – 127	table#6	
3	Diffusion	0 – 10	0 – 10		
4	Initial Delay	0.1mS – 200.0mS	0 – 127	table#5	
5	Feedback Level	-63 – +63	1 – 127	(table#16)	
6	HPF Cutoff	Thru – 8.0kHz	0 – 52	table#3	
7	LPF Cutoff	1.0kHz – Thru	34 – 60	table#3	
8					
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11	Liveness	0 – 10	0 – 10		
12	Density	0 – 3	0 – 3		
13	High Damp	0.1 – 1.0	1 – 10		
14					
15					
16					

WHITE ROOM
TUNNEL
CANYON
BASEMENT
(Reverb and DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Reverb Time	0.3 – 30.0s	0 – 69	table#4	
2	Diffusion	0 – 10	0 – 10		
3	Initial Delay	0.1mS – 200.0mS (*1) 0.1mS – 99.3mS (*2)	0 – 127 0 – 63	table#5	
4	HPF Cutoff	Thru – 8.0kHz	0 – 52	table#3	
5	LPF Cutoff	1.0kHz – Thru	34 – 60	table#3	
6	Width	0.5 – 30.2m (*1) 0.5 – 10.2m (*2)	0 – 104 0 – 37	table#11	
7	Height	0.5 – 30.2m (*1) 0.5 – 20.2m (*2)	0 – 104 0 – 73	table#11	
8	Depth	0.5 – 30.2m	0 – 104	table#11	
9	Wall Vary	0 – 30	0 – 30		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11	Rev Delay	0.1mS – 200.0mS (*1) 0.1mS – 99.3mS (*2)	0 – 127 0 – 63	table#5	
12	Density	0 – 4	0 – 4		
13	Er/Rev Balance	E63>R – E=R – E<R63	1 – 127		
14	High Damp	0.1 – 1.0	1 – 10		
15	Feedback Level	-63 – +63	1 – 127	(table#16)	
16					

KARAOKE1, 2, 3
(All the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	0.1mS – 400.0mS	0 – 127	table#7	
2	Feedback Level	-63 – +63	1 – 127	(table#16)	
3	HPF Cutoff	Thru – 8.0kHz	0 – 52	table#3	
4	LPF Cutoff	1.0kHz – Thru	34 – 60	table#3	
5					
6					
7					
8					
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11	Density	0 – 3	0 – 3		
12					

No.	Parameter	Display	Value	See Table	Control
13					
14					
15					
16					

TEMPO DELAY
TEMPO ECHO
(All the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	64th/3 – 4thx6	0 – 19	table#14	
2	Feedback Level	-63 – +63	1 – 127	(table#16)	
3	Feedback High Dump	0.1 – 1.0	1 – 10		
4	L/R Diffusion	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
5	Lag	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
6					
7					
8					
9					
10	Dry/Wet	D63>W – D=W – D<W=63	1 – 127	(table#15)	●
11					
12					
13	EQ Low Frequency	32Hz – 2.0kHz	4 – 40		
14	EQ Low Gain	-12 – +12dB	52 – 76		
15	EQ High Frequency	500Hz – 16.0kHz	28 – 58		
16	EQ High Gain	-12 – +12dB	52 – 76		

TEMPO CROSS
(All the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	Delay Time L>R	64th/3 – 4thx6	0 – 19	table#14	
2	Delay Time R>L	64th/3 – 4thx6	0 – 19	table#14	
3	Feedback Level	-63 – +63	1 – 127	(table#16)	
4	Input Select	L, R, L&R	0 – 2		
5	Feedback High Dump	0.1 – 1.0	1 – 10		
6	Lag	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
7					
8					
9					
10	Dry/Wet	D63>W – D=W – D<W=63	1 – 127	(table#15)	●
11					
12					
13	EQ Low Frequency	32Hz – 2.0kHz	4 – 40		
14	EQ Low Gain	-12 – +12dB	52 – 76		
15	EQ High Frequency	500Hz – 16.0kHz	28 – 58		
16	EQ High Gain	-12 – +12dB	52 – 76		

CHORUS1, 2, 3, 4, 5, 6, 7, 8, GMCHORUS1, 2, 3, 4
FB CHORUS, CELESTE1, 2, ROTARY SP5
(Chorus and all the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	table#1	
2	LFO Depth	0 – 127	0 – 127	(table#19)	
3	Feedback Level	-63 – +63	1 – 127	(table#17)	
4	Delay Offset	0.0mS – 50mS	0 – 127	table#2	
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11	EQ Mid Frequency (*4)	100Hz – 10.0kHz	14 – 54	table#3	
12	EQ Mid Gain (*4)	-12 – +12dB	52 – 76		
13	EQ Mid Width (*4)	0.1 – 12.0	1 – 120		
14					
15	Input Mode	mono/stereo	0 – 1		
16					

FLANGER1, 2, 3, 4, 5, GM FLANGER
(Chorus and all the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	table#1	
2	LFO Depth	0 – 127	0 – 127	(table#19)	
3	Feedback Level	-63 – +63	1 – 127	(table#17)	
4	Delay Offset	0.0mS – 50mS	0 – 127	table#2	
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11	EQ Mid Frequency (*4)	100Hz – 10.0kHz	14 – 54	table#3	
12	EQ Mid Gain (*4)	-12 – +12dB	52 – 76		
13	EQ Mid Width (*4)	0.1 – 12.0	1 – 120		
14	LFO Phase Difference	-180 – +180deg (resolution=3deg.)	4 – 124		
15					
16					

AMP+ROT SP
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.0 – 39.7Hz	0 – 127	table#1	●
2	LFO Depth	0 – 127	0 – 127	(table#19)	
3	AMP Type	Off, Stack, Combo, Tube	0 – 3		
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet	D63>W – D=W – D<W=63	1 – 127	(table#15)	
11					
12					
13					
14	Drive	0 – 127	0 – 127		
15	LPF Cutoff	1kHz – Thru	34 – 60	table#3	
16	Output Level	0 – 127	0 – 127	(table#18)	

SYMPHONIC1, 2
(Chorus and all the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	table#1	
2	LFO Depth	0 – 127	0 – 127	(table#19)	
3	Delay Offset	0.0mS – 50mS	0 – 127	table#2	
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11	EQ Mid Frequency (*4)	100Hz – 10.0kHz	14 – 54	table#3	
12	EQ Mid Gain (*4)	-12 – +12dB	52 – 76		
13	EQ Mid Width (*4)	0.1 – 12.0	1 – 120		
14					
15					
16					

TREMOLO1, 3, EP TREMOLO, GT TREMOLO2, ROTARY SP4
(All the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	table#1	●
2	AM Depth	0 – 127	0 – 127		
3	PM Depth	0 – 127	0 – 127		
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10					
11	EQ Mid Frequency (*4)	100Hz – 10.0kHz	14 – 54	table#3	
12	EQ Mid Gain (*4)	-12 – +12dB	52 – 76		
13	EQ Mid Width (*4)	0.1 – 12.0	1 – 120		
14	LFO Phase Difference	-180 – +180deg (resolution=3deg.)	4 – 124		
15	Input Mode	mono/stereo	0 – 1		
16					

ROTARY SP1, 6
(All the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	table#1	●
2	LFO Depth	0 – 127	0 – 127	(table#19)	
3					
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	
11	EQ Mid Frequency (*4)	100Hz – 10.0kHz	14 – 54	table#3	
12	EQ Mid Gain (*4)	-12 – +12dB	52 – 76		
13	EQ Mid Width (*4)	0.1 – 12.0	1 – 120		
14					
15					
16					

AUTO PAN1, 2, EP AUTOPAN, TREMOLO2, GT TREMOLO1, ROTARY SP2, 3, 7
(All the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	table#1	●
2	L/R Depth	0 – 127	0 – 127		
3	F/R Depth	0 – 127	0 – 127		
4	PAN Direction	L<->R, L->R, L<-R, Lturn, Rturn, L/R	0 – 5		
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10					
11	EQ Mid Frequency (*4)	100Hz – 10.0kHz	14 – 54	table#3	
12	EQ Mid Gain (*4)	-12 – +12dB	52 – 76		
13	EQ Mid Width (*4)	0.1 – 12.0	1 – 120		
14					
15					
16					

DST+ROT SP
OD+ROT SP
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.0 – 39.7Hz	0 – 127	table#1	●
2	LFO Depth	0 – 127	0 – 127	(table#19)	
3					
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet	D63>W – D=W – D<W=63	1 – 127	(table#15)	
11					
12					
13					
14	Drive	0 – 127	0 – 127		
15	LPF Cutoff	1kHz – Thru	34 – 60	table#3	
16	Output Level	0 – 127	0 – 127	(table#18)	

AUTO PAN3
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	table#1	●
2	L/R Depth	0 – 127	0 – 127		
3	F/R Depth	0 – 127	0 – 127		
4	PAN Direction	L<->R, L->R, L<-R, Lturn, Rturn, L/R	0 – 5		
5	LFO Wave	0 – 28	0 – 28		
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10					
11	EQ Mid Frequency (*4)	100Hz – 10.0kHz	14 – 54	table#3	
12	EQ Mid Gain (*4)	-12 – +12dB	52 – 76		
13	EQ Mid Width (*4)	0.1 – 12.0	1 – 120		
14					
15	Input Mode	mono/stereo	0 – 1		
16					

PHASER 1, EP PHASER1, 2, 3
(Chorus and all the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	table#1	
2	LFO Depth	0 – 127	0 – 127	(table#19)	
3	Phase Shift Offset	0 – 127	0 – 127		
4	Feedback Level	-63 – +63	1 – 127	(table#16)	
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11	Stage	4 – 22 (*2) 4 – 12 (*3)	4 – 22 4 – 12		
12	Diffusion	mono/stereo	0 – 1		
13					
14					
15					
16					

PHASER 2
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	table#1	
2	LFO Depth	0 – 127	0 – 127	(table#19)	
3	Phase Shift Offset	0 – 127	0 – 127		
4	Feedback Level	-63 – +63	1 – 127	(table#16)	
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11	Stage	3 – 11	3 – 11		
12					
13	LFO Phase Difference	-180deg – +180deg (resolution=3deg.)	4 – 124		
14					
15					
16					

DIST HEAVY
OVERDRIVE
(All the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	Drive	0 – 127	0 – 127		●
2	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
3	EQ Low Gain	-12 – +12dB	52 – 76		
4	LPF Cutoff	1.0kHz – Thru	34 – 60	table#3	
5	Output Level	0 – 127	0 – 127	(table#18)	
6					
7	EQ Mid Frequency	100Hz – 10.0kHz	14 – 54	table#3	
8	EQ Mid Gain	-12 – +12dB	52 – 76		
9	EQ Mid Width	0.1 – 12.0	1 – 120		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	
11	Edge (Clip Curve)	0 – 127 (mild – sharp)	0 – 127		
12					
13					
14					
15					
16					

COMP+DIST1, 2
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Drive	0 – 127	0 – 127		●
2	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
3	EQ Low Gain	-12 – +12dB	52 – 76		
4	LPF Cutoff	1.0kHz – Thru	34 – 60	table#3	
5	Output Level	0 – 127	0 – 127	(table#18)	
6					
7	EQ Mid Frequency	100Hz – 10.0kHz	14 – 54	table#3	
8	EQ Mid Gain	-12 – +12dB	52 – 76		
9	EQ Mid Width	0.1 – 12.0	1 – 120		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	
11	Edge (Clip Curve)	0 – 127 (mild – sharp)	0 – 127		
12	Attack	1ms – 40ms	0 – 19	table#8	
13	Release	10ms – 680ms	0 – 15	table#9	
14	Threshold	-48dB – -6dB	79 – 121		
15	Ratio	1.0 – 20.0	0 – 7	table#10	
16					

ST DIST
ST OD
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Drive	0 – 127	0 – 127		●
2	EQ Low Frequency	32 – 2.0kHz	4 – 40	table#3	
3	EQ Low Gain	-12 – +12dB	52 – 76		
4	LPF Cutoff	1kHz – Thru	34 – 60		
5	Output Level	0 – 127	0 – 127	(table#18)	
6					
7	EQ Mid Frequency	100 – 10.0kHz	14 – 54	table#3	
8	EQ Mid Gain	-12 – +12dB	52 – 76		
9	EQ Mid Width	0.1 – 12.0	1 – 120		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	
11	Edge (Clip Curve)	0 – 127	0 – 127		
12					
13					
14					
15					
16					

AMP SIM1, DIST HARD, DIST HARD2, DIST SOFT, DIST SOFT2
(All the DSP blocks)
ST AMP1, 3, 4, ST DIST HARD, ST DIST SOFT
(DSP1)
ST AMP2, 5, 6 *5
(All the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	Drive	0 – 127	0 – 127		●
2	AMP Type	Off, Stack, Combo, Tube	0 – 3		
3	LPF Cutoff	1.0kHz – Thru	34 – 60	table#3	
4	Output Level	0 – 127	0 – 127	(table#18)	
5					
6					
7					
8					
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	
11	Edge (Clip Curve)	0 – 127 (mild – sharp)	0 – 127		
12					
13					
14					
15					
16					

AMP SIM2
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Drive	0 – 127	0 – 127		●
2	AMP Type	Off, Stack, Combo, Tube, Crunch, Hi gain, British	0 – 6		
3	LPF Cutoff	1.0kHz – Thru	34 – 60	table#3	
4	Output Level	0 – 127	0 – 127	(table#18)	
5					
6					
7					
8					
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	
11					
12					
13					
14					
15					
16					

3BAND EQ, EQ DISCO, EQ TEL, ST 3BAND EQ
(All the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	EQ Low Gain	-12 – +12dB	52 – 76		
2	EQ Mid Frequency	100Hz – 16.0kHz	14 – 58	table#3	
3	EQ Mid Gain	-12 – +12dB	52 – 76		
4	EQ Mid Width	0.1 – 12.0	1 – 120		
5	EQ High Gain	-12 – +12dB	52 – 76		
6	EQ Low Frequency	50Hz – 2.0kHz	8 – 40	table#3	
7	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
8					
9					
10					
11					
12					
13					
14					
15	Input Mode	mono/stereo	0 – 1		
16					

PITCH CHG1, 2
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Pitch	-24 – +24	40 – 88		
2	Initial Delay	0.1mS – 400.0mS	0 – 127	table#7	
3	Fine 1	-50 – +50	14 – 114		
4	Fine 2	-50 – +50	14 – 114		
5	Feedback Level	-63 – +63	1 – 127		
6					
7					
8					
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11	Pan 1	L63 – R63	1 – 127		
12	Output Level 1	0 – 127	0 – 127	(table#18)	
13	Pan 2	L63 – R63	1 – 127		
14	Output Level 2	0 – 127	0 – 127	(table#18)	
15					
16					

2BAND EQ
(All the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
2	EQ Low Gain	-12 – +12dB	52 – 76		
3	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
4	EQ High Gain	-12 – +12dB	52 – 76		
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

PITCH CHG3
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Pitch	-24 – +24	40 – 88		
2	Initial Delay	0.1mS – 400.0mS	0 – 127	table#7	
3	Fine 1	-50 – +50cent	14 – 114		
4	Fine 2	-50 – +50cent	14 – 114		
5	Feedback Level	-63 – +63	1 – 127		
6					
7					
8					
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11	Pan 1	L63 – R63	1 – 127		
12	Output Level 1	0 – 127	0 – 127	(table#18)	
13	Pan 2	L63 – R63	1 – 127		
14	Output Level 2	0 – 127	0 – 127	(table#18)	
15					
16					

AUTO WAH1, 2
(All the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	table#1	
2	LFO Depth	0 – 127	0 – 127	(table#19)	
3	Cutoff Frequency Offset	0 – 127	0 – 127		●
4	Resonance	1.0 – 12.0	10 – 120		
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	
11	Drive (*4)	0 – 127	0 – 127		
12					
13					
14					
15					
16					

HM ENHANCER1, 2
(All the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	HPF Cutoff	500Hz – 16.0kHz	28 – 58		
2	Drive	0 – 127	0 – 127		
3	Mix Level	0 – 127	0 – 127		
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

AT WAH+DST1, 2, AT WAH+OD1, 2
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	LFO Frequency	0.00Hz – 39.7Hz	0 – 127	table#1	
2	LFO Depth	0 – 127	0 – 127	(table#19)	
3	Cutoff Frequency Offset	0 – 127	0 – 127		●
4	Resonance	1.0 – 12.0	10 – 120		
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	
11	Drive	0 – 127	0 – 127		
12	EQ Low Gain (distortion)	-12 – +12dB	52 – 76		
13	EQ Mid Gain (distortion)	-12 – +12dB	52 – 76		
14	LPF Cutoff	1.0kHz – thru	34 – 60	table#3	
15	Output Level	0 – 127	0 – 127	(table#18)	
16					

TOUCH WAH1
(All the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	Sensitivity	0 – 127	0 – 127		
2	Cutoff Frequency Offset	0 – 127	0 – 127		●
3	Resonance	1.0 – 12.0	10 – 120		
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	
11	Drive (*4)	0 – 127	0 – 127		
12					
13					
14					
15					
16					

TC WAH+DIST1, 2
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Sensitivity	0 – 127	0 – 127		
2	Cutoff Frequency Offset	0 – 127	0 – 127		●
3	Resonance	1.0 – 12.0	10 – 120		
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	
11	Drive	0 – 127	0 – 127		
12					
13					
14					
15					
16					

TOUCH WAH2, CLAVI TC WAH, EP TC WAH
(All the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	Sensitivity	0 – 127	0 – 127		
2	Cutoff Frequency Offset	0 – 127	0 – 127		●
3	Resonance	1.0 – 12.0	10 – 120		
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	
11	Drive (*4)	0 – 127	0 – 127		
12	EQ Low Gain (*4) (distortion)	-12 – +12dB	52 – 76		
13	EQ Mid Gain (*4) (distortion)	-12 – +12dB	52 – 76		
14	LPF Cutoff (*4)	1.0kHz – thru	34 – 60	table#3	
15	Output Level (*4)	0 – 127	0 – 127	(table#18)	
16	Release	10 – 680mS	52 – 67	table#12	

TC WAH+OD1, 2
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Sensitivity	0 – 127	0 – 127		
2	Cutoff Frequency Offset	0 – 127	0 – 127		●
3	Resonance	1.0 – 12.0	10 – 120		
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	
11	Drive	0 – 127	0 – 127		
12	EQ Low Gain (distortion)	-12 – +12dB	52 – 76		
13	EQ Mid Gain (distortion)	-12 – +12dB	52 – 76		
14	LPF Cutoff	1.0kHz – thru	34 – 60	table#3	
15	Output Level	0 – 127	0 – 127	(table#18)	
16	Release	10 – 680mS	52 – 67	table#12	

COMPRESSOR
(All the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	Attack	1 – 40ms	0 – 19	table#8	
2	Release	10 – 680ms	0 – 15	table#9	
3	Threshold	-48 – -6dB	79-121		
4	Ratio	1.0 – 20.0	0 – 7	table#10	
5	Output Level	0 – 127	0 – 127	(table#18)	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

NOISE GATE
(All the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	Attack	1 – 40ms	0 – 19	table#8	
2	Release	10 – 680ms	0 – 15	table#9	
3	Threshold	-72 – -30dB	55 – 97		
4	Output Level	0 – 127	0 – 127	(table#18)	
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

VCE CANCEL
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11	Low Adjust	0 – 26	0 – 26		
12	High Adjust	0 – 26	0 – 26		
13					
14					
15					
16					

2WAY ROT SP
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Rotor Speed	0.0Hz – 39.7Hz	0 – 127	table#1	●
2	Drive Low	0 – 127	0 – 127		
3	Drive High	0 – 127	0 – 127		
4	Low/High	L63>H – L=H – L<H63	1 – 127		
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10					
11	Crossover Frequency	100Hz – 10.0kHz	14 – 54	table#3	
12	Mic L-R Angle	0deg – 180deg (resolution=3deg.)	0 – 60		
13					
14					
15					
16					

DST+2ROT SP
OD+2ROT SP
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Rotor Speed	0.0 – 39.7Hz	0 – 127	table#1	●
2	Drive Low	0 – 127	0 – 127		
3	Drive High	0 – 127	0 – 127		
4	Low/High Balance	L63>H – L=H – L<H=63	1 – 127		
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10					
11	Crossover Frequency	100Hz – 10.0kHz	14 – 54	table#3	
12	Mic L-R Angle	0 – 180deg	0 – 60		
13					
14	Drive	0 – 127	0 – 127		
15	LPF Cutoff	1kHz – Thru	34 – 60		
16	Output Level	0 – 127	0 – 127	(table#18)	

AMP+2ROT SP
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Rotor Speed	0.0 – 39.7Hz	0 – 127	table#1	●
2	Drive Low	0 – 127	0 – 127		
3	Drive High	0 – 127	0 – 127		
4	Low/High Balance	L63>H – L=H – L<H=63	1 – 127		
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10					
11	Crossover Frequency	100Hz – 10.0kHz	14 – 54	table#3	
12	Mic L-R Angle	0 – 180deg	0 – 60		
13	AMP Type	Off, Stack, Combo, Tube	0 – 3		
14	Drive	0 – 127	0 – 127		
15	LPF Cutoff	1kHz – Thru	34 – 60		
16	Output Level	0 – 127	0 – 127	(table#18)	

ENS DETUN
(Chorus and all the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	Detune	-50 – +50cent	14 – 114		
2	Lch Init Delay	0.0mS – 50mS	0 – 127	table#2	
3	Rch Init Delay	0.0mS – 50mS	0 – 127	table#2	
4					
5					
6					
7					
8					
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
12	EQ Low Gain	-12 – +12dB	52 – 76		
13	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
14	EQ High Gain	-12 – +12dB	52 – 76		
15					
16					

AMBIENCE
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	0.0mS – 50mS	0 – 127	table#2	
2	Output Phase	normal/inverse	0 – 1		
3					
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11					
12					
13					
14					
15					
16					

TALKING MOD
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Vowel	a, i, u, e, o	0 – 4		●
2	Move speed	1 – 62	1 – 62		
3	Drive	0 – 127	0 – 127		
4	Output Level	0 – 127	0 – 127	(table#18)	
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

LO-FI
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Sampling Freq Control	44.1kHz – 345Hz	0 – 127	table#13	
2	Word Length	1 – 127	1 – 127		
3	Output Gain	-6 – +36dB	0 – 42		
4	LPF Cutoff	63Hz – Thru	10 – 60	table#3	
5	Filter Type	Thru, PowerBass, Radio, Tel, Clean, Low	0 – 5		
6	LPF Resonance	1.0 – 12.0	10 – 120		
7	Bit Assign	0 – 6	0 – 6		
8	Emphasis	Off/On	0 – 1		
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11					
12					
13					
14					
15	Input Mode	mono/stereo			
16					

DST+DELAY1, 2, OD+DELAY1, 2
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Lch Delay Time	0.1 – 1638.3ms	1 – 16383		
2	Rch Delay Time	0.1 – 1638.3ms	1 – 16383		
3	Delay Feedback Time	0.1 – 1638.3ms	1 – 16383		
4	Delay Feedback Level	-63 – +63	1 – 127	(table#16)	
5	Delay Mix	0 – 127	0 – 127		
6	Dist Drive	0 – 127	0 – 127		
7	Dist Output Level	0 – 127	0 – 127	(table#18)	
8	Dist EQ Low Gain	-12 – +12dB	52 – 76		
9	Dist EQ Mid Gain	-12 – +12dB	52 – 76		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11					
12					
13					
14					
15					
16					

CMP+DST+DLY1, 2, CMP+OD+DLY1, 2
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	0.1 – 1638.3ms	1 – 16383		
2	Delay Feedback Level	-63 – +63	1 – 127	(table#16)	
3	Delay Mix	0 – 127	0 – 127		
4	Dist Drive	0 – 127	0 – 127		
5	Dist Output Level	0 – 127	0 – 127	(table#18)	
6	Dist EQ Low Gain	-12 – +12dB	52 – 76		
7	Dist EQ Mid Gain	-12 – +12dB	52 – 76		
8					
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11	Comp. Attack	1ms – 40ms	0 – 19	table#8	
12	Comp. Release	10ms – 680ms	0 – 15	table#9	
13	Comp. Threshold	-48dB – -6dB	79 – 121		
14	Comp. Ratio	1.0 – 20.0	0 – 7	table#10	
15					
16					

WH+DST+DLY1, 2, WH+OD+DLY1, 2
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	0.1 – 1638.3ms	1 – 16383		
2	Delay Feedback Level	-63 – +63	1 – 127	(table#16)	
3	Delay Mix	0 – 127	0 – 127		
4	Dist Drive	0 – 127	0 – 127		
5	Dist Output Level	0 – 127	0 – 127	(table#18)	
6	Dist EQ Low Gain	-12 – +12dB	52 – 76		
7	Dist EQ Mid Gain	-12 – +12dB	52 – 76		
8					
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11	Wah Sensitivity	0 – 127	0 – 127		
12	Wah Cutoff Freq Offset	0 – 127	0 – 127		
13	Wah Resonance	1.0 – 12.0	10 – 120		
14	Wah Release	10 – 680ms	52 – 67	table#12	
15					
16					

V_DIST HARD
V_DIST SOFT
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Overdrive	0 – 100%	0 – 100		
2	Device	Transistor/Vintage Tube/ Dist1/Dist2/Fuzz	0 – 4		
3	Speaker	Flat/Stack/Combo/Twin/ Radio/Megaphone	0 – 5		
4	Presence	0 – 20	0 – 20		
5	Output Level	0 – 100%	0 – 100		
6					
7					
8					
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11					
12					
13					
14					
15					
16					

V DST H+DLY
V_DST S+DLY
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Overdrive	0 – 100%	0 – 100		
2	Device	Transistor/Vintage Tube/ Dist1/Dist2/Fuzz	0 – 4		
3	Speaker	Flat/Stack/Combo/Twin/ Radio/Megaphone	0 – 5		
4	Presence	0 – 20	0 – 20		
5	Output Level	0 – 100%	0 – 100		
6	Delay Time L	0.1 – 1638.3ms	1 – 16383		
7	Delay Time R	0.1 – 1638.3ms	1 – 16383		
8	Delay Feedback Time	0.1 – 1638.3ms	1 – 16383		
9	Delay Feedback Level	-63 – +63	1 – 127	(table#16)	
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11	Delay Mix	0 – 127	0 – 127		
12	Feedback High Dump	0.1 – 1.0	1 – 10		
13					
14					
15					
16					

DUAL ROT SP1, 2
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Rotor Speed Slow	0.0Hz – 2.65Hz	0 – 63	table#1	
2	Horn Speed Slow	0.0Hz – 2.65Hz	0 – 63	table#1	
3	Rotor Speed Fast	2.69Hz – 39.7Hz	64 – 127	table#1	
4	Horn Speed Fast	2.69Hz – 39.7Hz	64 – 127	table#1	
5	Slow-Fast Time of R	0 – 127	0 – 127		
6	Slow-Fast Time of H	0 – 127	0 – 127		
7	Drive Low	0 – 127	0 – 127		
8	Drive High	0 – 127	0 – 127		
9	Low/High Balance	L63>H – L=H – L<H=63	1 – 127		
10					
11	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
12	EQ Low Gain	-12 – +12dB	52 – 76		
13	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
14	EQ High Gain	-12 – +12dB	52 – 76		
15	Mic L-R Angle	0 – 180deg	0 – 60		
16	Speed Control	Slow/Fast	0 – 1		●

DST+TDLY, OD+TDLY
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	64th/3 – 4thx6	0 – 19	table#14	
2	Delay Feedback Level	-63 – +63	1 – 127	(table#16)	
3	Delay Mix	0 – 127	0 – 127		
4	Dist Drive	0 – 127	0 – 127		
5	Dist Output Level	0 – 127	0 – 127	(table#18)	
6	Dist EQ Low Gain	-12 – +12dB	52 – 76		
7	Dist EQ Mid Gain	-12 – +12dB	52 – 76		
8	L/R Diffusion	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
9	Lag	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
10	Dry/Wet	D63>W – D=W – D<W=63	1 – 127	(table#15)	●
11					
12					
13					
14					
15					
16					

CMP+DST+TDL
CMP+OD+TDLY1, 2, 3, 4, 5, 6
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	64th/3 – 4thx6	0 – 19	table#14	
2	Delay Feedback Level	-63 – +63	1 – 127	(table#16)	
3	Delay Mix	0 – 127	0 – 127		
4	Dist Drive	0 – 127	0 – 127		
5	Dist Output Level	0 – 127	0 – 127	(table#18)	
6	Dist EQ Low Gain	-12 – +12dB	52 – 76		
7	Dist EQ Mid Gain	-12 – +12dB	52 – 76		
8	L/R Diffusion	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
9	Lag	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
10	Dry/Wet	D63>W – D=W – D<W=63	1 – 127	(table#15)	●
11	Comp. Attack	1ms – 40ms	0 – 19	table#8	
12	Comp. Release	10ms – 680ms	0 – 15	table#9	
13	Comp. Threshold	-48dB – -6dB	79 – 121		
14	Comp. Ratio	1.0 – 20.0	0 – 7	table#10	
15					
16					

WH+DST+TDL, WH+OD+TDLY1, 2
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Delay Time	64th/3 – 4thx6	0 – 19	table#14	
2	Delay Feedback Level	-63 – +63	1 – 127	(table#16)	
3	Delay Mix	0 – 127	0 – 127		
4	Dist Drive	0 – 127	0 – 127		
5	Dist Output Level	0 – 127	0 – 127	(table#18)	
6	Dist EQ Low Gain	-12 – +12dB	52 – 76		
7	Dist EQ Mid Gain	-12 – +12dB	52 – 76		
8	L/R Diffusion	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
9	Lag	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
10	Dry/Wet	D63>W – D=W – D<W=63	1 – 127	(table#15)	●
11	Wah Sensitivity	0 – 127	0 – 127		
12	Wah Cutoff Freq Offset	0 – 127	0 – 127		
13	Wah Resonance	1.0 – 12.0	10 – 120		
14	Wah Release	10 – 680mS	52 – 67	table#12	
15					
16					

V_DST H+TDLY, V_DST S+TDL1, 2
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Overdrive	0 – 100%	0 – 100		
2	Device	Transistor/Vintage Tube/ Dist1/Dist2/Fuzz	0 – 4		
3	Speaker	Flat/Stack/Combo/Twin/ Radio/Megaphone	0 – 5		
4	Presence	0 – 20	0 – 20		
5	Output Level	0 – 100%	0 – 100		
6	Delay Time	64th/3 – 4thx6	0 – 19	table#14	
7	Delay Feedback Level	-63 – +63	1 – 127	(table#16)	
8	L/R Diffusion	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
9	Lag	1(-63ms) – 64(0ms) – 127(63ms)	1 – 127		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11	Delay Mix	0 – 127	0 – 127		
12	Feedback High Dump	0.1 – 1.0	1 – 10		
13					
14					
15					
16					

V_FLANGER
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	LFO Freq	0.0 – 39.70[Hz]	0 – 127	table#1	
2	LFO Depth	0 – 127	0 – 127	(table#19)	
3	LFO Wave	Triangle, Sine, Random	0 – 2		
4	Delay Offset	0.09 – 36.21[ms]	0 – 139	table#23	
5	Feedback Level	-100 – +100[%]	0 – 200		
6	EQ Low Frequency	32[Hz] – 2.0[kHz]	4 – 40	table#3	
7	EQ Low Gain	-12 – +12[dB]	52 – 76		
8	EQ High Frequency	500[Hz] – 16.0[kHz]	28 – 58	table#3	
9	EQ High Gain	-12 – +12[dB]	52 – 76		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11	EQ Mid Frequency	100[Hz] – 10.0[kHz]	14 – 54	table#3	
12	EQ Mid Gain	-12 – +12[dB]	52 – 76		
13	EQ Mid Width	0.1 – 12.0	1 – 120		
14	Modulation Phase	-180 – +180[deg]	0 – 16	table#24	
15	Feedback High Damp	0.1 – 1.0	1 – 10		
16	Analog Feel	0 – 10	0 – 10		

MBAND COMP
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Type	Normal, Low, Mid, High, Low/High, Low/Mid, Mid/High, Full Bit, Wild, Attacky, Low End, Hard, Basic	0 – 12		
2	Threshold Offset	-32 – +32	32 – 96		●
3	Low Gain Offset	-63 – +63	1 – 127		
4	Mid Gain Offset	-63 – +63	1 – 127		
5	High Gain Offset	-63 – +63	1 – 127		
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

T_FLANGER
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	LFO Freq	16th – 4thx16	5 – 29	table#14	
2	LFO Depth	0 – 127	0 – 127	(table#19)	
3	Feedback Level	-63 – +63	1 – 127	(table#17)	
4	Delay Offset	0.0 – 50.0[ms]	0 – 127	table#2	
5	LFO Phase Reset	Off (free run)	0		
6	EQ Low Frequency	32[Hz] – 2.0[kHz]	4 – 40	table#3	
7	EQ Low Gain	-12 – +12[dB]	52 – 76		
8	EQ High Frequency	500[Hz] – 16.0[kHz]	28 – 58	table#3	
9	EQ High Gain	-12 – +12[dB]	52 – 76		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11	EQ mid frequency	100[Hz] – 10.0[kHz]	14 – 54	table#3	
12	EQ mid gain	-12 – +12[dB]	52 – 76		
13	EQ mid width	0.1 – 12.0	1 – 120		
14	LFO phase difference	-180 – +180[deg]	4 – 124		
15					
16					

T_PHASER
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	LFO Freq	16th – 4thx16	5 – 29	table#14	
2	LFO Depth	0 – 127	0 – 127	(table#19)	
3	Phase Shift Offset	0 – 127	0 – 127		
4	Feedback Level	-63 – +63	1 – 127	(table#16)	
5	LFO Phase Reset	Off (free run)	0		
6	EQ Low Frequency	32[Hz] – 2.0[kHz]	4 – 40	table#3	
7	EQ Low Gain	-12 – +12[dB]	52 – 76		
8	EQ High Frequency	500[Hz] – 16.0[kHz]	28 – 58	table#3	
9	EQ High Gain	-12 – +12[dB]	52 – 76		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	●
11	Stage	3 – 11	3 – 11		
12					
13	LFO phase difference	-180 – +180[deg]	4 – 124		
14					
15					
16					

DYN FILTER
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Filter Type	LPF (12dB), LPF (18dB), LPF (24dB), HPF, BPF, BEF	0 – 5		
2	Sensitivity	0 – 127	0 – 127		●
3	Dyna Level Offset	0 – 127	0 – 127		
4	Resonance	-16 – +111	0 – 127		
5	Attack Time	0.3 – 227[ms]	0 – 127	table#20	
6	Release Time	2.6 – 2171.4[ms]	0 – 127	table#21	
7	Release Curve	0 – 127	0 – 127		
8	Direction	Up, Down	0 – 1		
9	Dyna Threshold Level	0 – 127	0 – 127		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	
11					
12					
13	EQ Low Frequency	32[Hz] – 2.0[kHz]	4 – 40	table#3	
14	EQ Low Gain	-12 – +12[dB]	52 – 76		
15	EQ High Frequency	500[Hz] – 16.0[kHz]	28 – 58	table#3	
16	EQ High Gain	-12 – +12[dB]	52 – 76		

DYN FLANGER
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Sensitivity	0 – 127	0 – 127		●
2	Delay Time Offset	0 – 127	0 – 127		
3	Feedback Level	-63 – +63	1 – 127	(table#17)	
4	Attack Time	0.3 – 227[ms]	0 – 127	table#20	
5	Release Time	2.6 – 2171[ms]	0 – 127	table#21	
6	Release Curve	0 – 127	0 – 127		
7	Direction	Up, Down	0 – 1		
8	Dyna Threshold Level	0 – 127	0 – 127		
9	Dyna Level Offset	0 – 127	0 – 127		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	
11					
12					
13	EQ Low Frequency	32[Hz] – 2.0[kHz]	4 – 40	table#3	
14	EQ Low Gain	-12 – +12dB	52 – 76		
15	EQ High Frequency	500[Hz] – 16.0[kHz]	28 – 58	table#3	
16	EQ High Gain	-12 – +12[dB]	52 – 76		

DYN PHASER
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Sensitivity	0 – 127	0 – 127		●
2	Dyna Level Offset	0 – 127	0 – 127		
3	Feedback Level	-63 – +63	1 – 127	(table#16)	
4	Attack Time	0.3 – 227[ms]	0 – 127	table#20	
5	Release Time	2.6 – 2171[ms]	0 – 127	table#21	
6	Release Curve	0 – 127	0 – 127		
7	Direction	Up, Down	0 – 1		
8	Dyna Threshold Level	0 – 127	0 – 127		
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	
11	Stage	4, 5, 6	4 – 6		
12					
13	EQ Low Frequency	32[Hz] – 2.0[kHz]	4 – 40	table#3	
14	EQ Low Gain	-12 – +12dB	52 – 76		
15	EQ High Frequency	500[Hz] – 16.0[kHz]	28 – 58	table#3	
16	EQ High Gain	-12 – +12[dB]	52 – 76		

DYN RINGMOD
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Sensitivity	0 – 127	0 – 127		●
2	HPF Cutoff Frequency	Thru (20[Hz]) – 8.0[kHz]	0 – 52	table#3	
3	LPF Cutoff Frequency	1.0[kHz] – Thru (20.0[kHz])	34 – 60	table#3	
4	Attack Time	0.3 – 227[ms]	0 – 127	table#20	
5	Release Time	2.6 – 2171.4[ms]	0 – 127	table#21	
6	Release Curve	0 – 127	0 – 127		
7	Direction	Up, Down	0 – 1		
8	Dyna Threshold Level	0 – 127	0 – 127		
9	Dyna Level Offset	0 – 127	0 – 127		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	
11					
12					
13	EQ Low Frequency	32[Hz] – 2.0[kHz]	4 – 40	table#3	
14	EQ Low Gain	-12 – +12dB	52 – 76		
15	EQ High Frequency	500[Hz] – 16.0[kHz]	28 – 58	table#3	
16	EQ High Gain	-12 – +12[dB]	52 – 76		

RING MOD
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	Osc Freq Course	0.7[Hz] – 5[kHz]	0 – 127	table#22	●
2	Osc Freq Fine	0 – 127	0 – 127		
3	LFO Wave	Triangle, Sine	0 – 1		
4	LFO Depth	0 – 127	0 – 127	(table#19)	
5	LFO Freq	0.0 – 39.70[Hz]	0 – 127	table#1	
6	HPF Cutoff Frequency	Thru (20[Hz]) – 8.0[kHz]	0 – 52	table#3	
7	LPF Cutoff Frequency	1.0[kHz] – Thru (20.0[kHz])	34 – 60	table#3	
8					
9					
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	
11					
12					
13	EQ Low Frequency	32[Hz] – 2.0[kHz]	4 – 40	table#3	
14	EQ Low Gain	-12 – +12dB	52 – 76		
15	EQ High Frequency	500[Hz] – 16.0[kHz]	28 – 58	table#3	
16	EQ High Gain	-12 – +12[dB]	52 – 76		

ISOLATOR
(DSP1)

No.	Parameter	Display	Value	See Table	Control
1	On/off SW	Off, On	0 – 1		●
2	Low Level	0 – 127	0 – 127		
3	Mid Level	0 – 127	0 – 127		
4	High Level	0 – 127	0 – 127		
5	Low Mute	Off, On	0 – 1		
6	Mid Mute	Off, On	0 – 1		
7	High Mute	Off, On	0 – 1		
8					
9					
10					
11					
12					
13					
14					
15					
16					

VIBE VIBRATE
(All the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1	Vibrate Speed	0.00Hz – 39.7Hz	0 – 127	table#1	
2	Vibrate Depth (AM)	0 – 127	0 – 127		
3	Vibrate Depth (PM)	0 – 127	0 – 127		
4					
5					
6	EQ Low Frequency	32Hz – 2.0kHz	4 – 40	table#3	
7	EQ Low Gain	-12 – +12dB	52 – 76		
8	EQ High Frequency	500Hz – 16.0kHz	28 – 58	table#3	
9	EQ High Gain	-12 – +12dB	52 – 76		
10	Dry/Wet	D63>W – D=W – D<W63	1 – 127	(table#15)	
11	EQ Mid Frequency (*)	100Hz – 10.0kHz	14 – 54	table#3	
12	EQ Mid Gain (*)	-12 – +12dB	52 – 76		
13	EQ Mid Width (*)	0.1 – 12.0	1 – 120		
14	LFO Phase Difference	-180 – +180deg (resolution=3deg.)	4 – 124		
15	Input Mode	mono/stereo	0 – 1		
16	Vibrate SW	Off, On	0 – 1		●

NO EFFECT
(Reverb, Chorus and DSP1)

No.	Parameter	Display	Value	See Table	Control
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

THRU
(All the DSP blocks)

No.	Parameter	Display	Value	See Table	Control
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Parameter 10 Dry/Wet only affects insertion type effects.

(*1) Reverb Block
(*2) DSP1 Block
(*3) Chorus and DSP2 – 4 Blocks
(*4) DSP1 Block only

Effect Data Assign Table / Effektdaten-Zuordnungstabelle / Tableau d'assignation des données d'effets / Tabla de asignación de datos para efectos

table#1
LFO Frequency

Data	Value	Data	Value	Data	Value	Data	Value
0	0.00	32	1.35	64	2.69	96	8.41
1	0.04	33	1.39	65	2.78	97	8.75
2	0.08	34	1.43	66	2.86	98	9.08
3	0.13	35	1.47	67	2.94	99	9.42
4	0.17	36	1.51	68	3.03	100	9.76
5	0.21	37	1.56	69	3.11	101	10.1
6	0.25	38	1.60	70	3.20	102	10.8
7	0.29	39	1.64	71	3.28	103	11.4
8	0.34	40	1.68	72	3.37	104	12.1
9	0.38	41	1.72	73	3.45	105	12.8
10	0.42	42	1.77	74	3.53	106	13.5
11	0.46	43	1.81	75	3.62	107	14.1
12	0.51	44	1.85	76	3.70	108	14.8
13	0.55	45	1.89	77	3.87	109	15.5
14	0.59	46	1.94	78	4.04	110	16.2
15	0.63	47	1.98	79	4.21	111	16.8
16	0.67	48	2.02	80	4.37	112	17.5
17	0.72	49	2.06	81	4.54	113	18.2
18	0.76	50	2.10	82	4.71	114	19.5
19	0.80	51	2.15	83	4.88	115	20.9
20	0.84	52	2.19	84	5.05	116	22.2
21	0.88	53	2.23	85	5.22	117	23.6
22	0.93	54	2.27	86	5.38	118	24.9
23	0.97	55	2.31	87	5.55	119	26.2
24	1.01	56	2.36	88	5.72	120	27.6
25	1.05	57	2.40	89	6.06	121	28.9
26	1.09	58	2.44	90	6.39	122	30.3
27	1.14	59	2.48	91	6.73	123	31.6
28	1.18	60	2.52	92	7.07	124	33.0
29	1.22	61	2.57	93	7.40	125	34.3
30	1.26	62	2.61	94	7.74	126	37.0
31	1.30	63	2.65	95	8.08	127	39.7

table#4
Reverb time

Data	Value	Data	Value	Data	Value
0	0.3	32	3.5	64	17.0
1	0.4	33	3.6	65	18.0
2	0.5	34	3.7	66	19.0
3	0.6	35	3.8	67	20.0
4	0.7	36	3.9	68	25.0
5	0.8	37	4.0	69	30.0
6	0.9	38	4.1		
7	1.0	39	4.2		
8	1.1	40	4.3		
9	1.2	41	4.4		
10	1.3	42	4.5		
11	1.4	43	4.6		
12	1.5	44	4.7		
13	1.6	45	4.8		
14	1.7	46	4.9		
15	1.8	47	5.0		
16	1.9	48	5.5		
17	2.0	49	6.0		
18	2.1	50	6.5		
19	2.2	51	7.0		
20	2.3	52	7.5		
21	2.4	53	8.0		
22	2.5	54	8.5		
23	2.6	55	9.0		
24	2.7	56	9.5		
25	2.8	57	10.0		
26	2.9	58	11.0		
27	3.0	59	12.0		
28	3.1	60	13.0		
29	3.2	61	14.0		
30	3.3	62	15.0		
31	3.4	63	16.0		

table#7
Delay Time (0.1 – 400.0 [ms])

Data	Value	Data	Value	Data	Value	Data	Value
0	0.1	32	100.9	64	201.6	96	302.4
1	3.2	33	104.0	65	204.8	97	305.5
2	6.4	34	107.2	66	207.9	98	308.7
3	9.5	35	110.3	67	211.1	99	311.8
4	12.7	36	113.5	68	214.2	100	315.0
5	15.8	37	116.6	69	217.4	101	318.1
6	19.0	38	119.8	70	220.5	102	321.3
7	22.1	39	122.9	71	223.7	103	324.4
8	25.3	40	126.1	72	226.8	104	327.6
9	28.4	41	129.2	73	230.0	105	330.7
10	31.6	42	132.4	74	233.1	106	333.9
11	34.7	43	135.5	75	236.3	107	337.0
12	37.9	44	138.6	76	239.4	108	340.2
13	41.0	45	141.8	77	242.6	109	343.3
14	44.2	46	144.9	78	245.7	110	346.5
15	47.3	47	148.1	79	248.9	111	349.6
16	50.5	48	151.2	80	252.0	112	352.8
17	53.6	49	154.4	81	255.2	113	355.9
18	56.8	50	157.5	82	258.3	114	359.1
19	59.9	51	160.7	83	261.5	115	362.2
20	63.1	52	163.8	84	264.6	116	365.4
21	66.2	53	167.0	85	267.7	117	368.5
22	69.4	54	170.1	86	270.9	118	371.7
23	72.5	55	173.3	87	274.0	119	374.8
24	75.7	56	176.4	88	277.2	120	378.0
25	78.8	57	179.6	89	280.3	121	381.1
26	82.0	58	182.7	90	283.5	122	384.3
27	85.1	59	185.9	91	286.6	123	387.4
28	88.3	60	189.0	92	289.8	124	390.6
29	91.4	61	192.2	93	292.9	125	393.7
30	94.6	62	195.3	94	296.1	126	396.9
31	97.7	63	198.5	95	299.2	127	400.0

table#12
Wah Release Time

Data	Value
52	10
53	15
54	25
55	35
56	45
57	55
58	65
59	75
60	85
61	100
62	115
63	140
64	170
65	230
66	340
67	680

table#2
Modulation Delay Offset

Data	Value	Data	Value	Data	Value	Data	Value
0	0.0	32	3.2	64	6.4	96	9.6
1	0.1	33	3.3	65	6.5	97	9.7
2	0.2	34	3.4	66	6.6	98	9.8
3	0.3	35	3.5	67	6.7	99	9.9
4	0.4	36	3.6	68	6.8	100	10.0
5	0.5	37	3.7	69	6.9	101	11.1
6	0.6	38	3.8	70	7.0	102	12.2
7	0.7	39	3.9	71	7.1	103	13.3
8	0.8	40	4.0	72	7.2	104	14.4
9	0.9	41	4.1	73	7.3	105	15.5
10	1.0	42	4.2	74	7.4	106	17.1
11	1.1	43	4.3	75	7.5	107	18.6
12	1.2	44	4.4	76	7.6	108	20.2
13	1.3	45	4.5	77	7.7	109	21.8
14	1.4	46	4.6	78	7.8	110	23.3
15	1.5	47	4.7	79	7.9	111	24.9
16	1.6	48	4.8	80	8.0	112	26.5
17	1.7	49	4.9	81	8.1	113	28.0
18	1.8	50	5.0	82	8.2	114	29.6
19	1.9	51	5.1	83	8.3	115	31.2
20	2.0	52	5.2	84	8.4	116	32.8
21	2.1	53	5.3	85	8.5	117	34.3
22	2.2	54	5.4	86	8.6	118	35.9
23	2.3	55	5.5	87	8.7	119	37.5
24	2.4	56	5.6	88	8.8	120	39.0
25	2.5	57	5.7	89	8.9	121	40.6
26	2.6	58	5.8	90	9.0	122	42.2
27	2.7	59	5.9	91	9.1	123	43.7
28	2.8	60	6.0	92	9.2	124	45.3
29	2.9	61	6.1	93	9.3	125	46.9
30	3.0	62	6.2	94	9.4	126	48.4
31	3.1	63	6.3	95	9.5	127	50.0

table#5
Delay Time (0.1 – 200.0 [ms])

Data	Value	Data	Value	Data	Value	Data	Value
0	0.1	32	50.5	64	100.8	96	151.2
1	1.7	33	52.0	65	102.4	97	152.8
2	3.2	34	53.6	66	104.0	98	154.4
3	4.8	35	55.2	67	105.6	99	155.9
4	6.4	36	56.8	68	107.1	100	157.5
5	8.0	37	58.3	69	108.7	101	159.1
6	9.5	38	59.9	70	110.3	102	160.6
7	11.1	39	61.5	71	111.9	103	162.2
8	12.7	40	63.1	72	113.4	104	163.8
9	14.3	41	64.6	73	115.0	105	165.4
10	15.8	42	66.2	74	116.6	106	166.9
11	17.4	43	67.8	75	118.2	107	168.5
12	19.0	44	69.4	76	119.7	108	170.1
13	20.6	45	70.9	77	121.3	109	171.7
14	22.1	46	72.5	78	122.9	110	173.2
15	23.7	47	74.1	79	124.4	111	174.8
16	25.3	48	75.7	80	126.0	112	176.4
17	26.9	49	77.2	81	127.6	113	178.0
18	28.4	50	78.8	82	129.2	114	179.5
19	30.0	51	80.4	83	130.7	115	181.1
20	31.6	52	81.9	84	132.3	116	182.7
21	33.2	53	83.5	85	133.9	117	184.3
22	34.7	54	85.1	86	135.5	118	185.8
23	36.3	55	86.7	87	137.0	119	187.4
24	37.9	56	88.2	88	138.6	120	189.0
25	39.5	57	89.8	89	140.2	121	190.6
26	41.0	58	91.4	90	141.8	122	192.1
27	42.6	59	93.0	91	143.3	123	193.7
28	44.2	60	94.5	92	144.9	124	195.3
29	45.7	61	96.1	93	146.5	125	196.9
30	47.3	62	97.7	94	148.1	126	198.4
31	48.9	63	99.3	95	149.6	127	200.0

table#8
Compressor Attack Time

Data	Value
0	1
1	2
2	3
3	4
4	5
5	6
6	7
7	8
8	9
9	10
10	12
11	14
12	16
13	18
14	20
15	23
16	26
17	30
18	35
19	40

table#9
Compressor Release Time

Data	Value
0	10
1	15
2	25
3	35
4	45
5	55
6	65
7	75
8	85
9	100
10	115
11	140
12	170
13	230
14	340
15	680

table#10
Compressor Ratio

Data	Value
0	1.0
1	1.5
2	2.0
3	3.0
4	5.0
5	7.0
6	10.0
7	20.0

table#13
LO-FI Sampling Frequency Control

Data	Value	Data	Value	Data	Value	Data	Value
0	44.1k	32	1.34k	64	678.0	96	455.0
1	22.1k	33	1.30k	65	668.0	97	450.0
2	14.7k	34	1.26k	66	658.0	98	445.0
3	11.0k	35	1.23k	67	649.0	99	441.0
4	8.8k	36	1.19k	68	639.0	100	437.0
5	7.4k	37	1.16k	69	630.0	101	432.0
6	6.3k	38	1.13k	70	621.0	102	428.0
7	5.5k	39	1.10k	71	613.0	103	424.0
8	4.9k	40	1.08k	72	604.0	104	420.0
9	4.4k	41	1.05k	73	596.0	105	416.0
10	4.0k	42	1.03k	74	588.0	106	412.0
11	3.7k	43	1.00k	75	580.0	107	408.0
12	3.4k	44	980.0	76	573.0	108	405.0
13	3.2k	45	959.0	77	565.0	109	401.0
14	2.9k	46	938.0	78	558.0	110	397.0
15	2.8k	47	919.0	79	551.0	111	394.0
16	2.6k	48	900.0	80	544.0	112	390.0
17	2.5k	49	882.0	81	538.0	113	387.0
18	2.3k	50	865.0	82	531.0	114	383.0
19	2.2k	51	848.0	83	525.0	115	380.0
20	2.1k	52	832.0	84	519.0	116	377.0
21	2.0k	53	817.0	85	513.0	117	374.0
22	1.92k	54	802.0	86	507.0	118	371.0
23	1.84k	55	788.0	87	501.0	119	368.0
24	1.76k	56	774.0	88	496.0	120	364.0
25	1.70k	57	760.0	89	490.0	121	361.0
26	1.63k	58	747.0	90	485.0	122	359.0
27	1.58k	59	735.0	91	479.0	123	356.0
28	1.52k	60	723.0	92	474.0	124	353.0
29	1.47k	61	711.0	93	469.0	125	350.0
30	1.42k	62	700.0	94	464.0	126	347.0
31	1.38k	63	689.0	95	459.0	127	345.0

table#3
EQ Frequency

Data	Value	Data	Value
0	THRU(20)	32	800
1	22	33	900
2	25	34	1.0k
3	28	35	1.1k
4	32	36	1.2k
5	36	37	1.4k
6	40	38	1.6k
7	45	39	1.8k
8	50	40	2.0k
9	56	41	2.2k
10	63	42	2.5k
11	70	43	2.8k
12	80	44	3.2k
13	90	45	3.6k
14	100	46	4.0k
15	110	47	4.5k
16	125	48	5.0k
17	140	49	5.6k
18	160	50	6.3k
19	180	51	7.0k
20	200	52	8.0k
21	225	53	9.0k
22	250	54	10.0k
23	280	55	11.0k
24	315	56	12.0k
25	355	57	14.0k
26	400	58	16.0k
27	450	59	18.0k
28	500	60	THRU(20.0k)
29	560		
30	630		
31	700		

table#6
Room Size

Data	Value	Data	Value	Data	Value	Data	Value
0	0.1	32	5.1	64	10.1	96	15.1
1	0.3	33	5.3	65	10.3	97	15.3
2	0.4	34	5.4	66	10.4	98	15.5
3	0.6	35	5.6	67	10.6	99	15.6
4	0.7	36	5.7	68	10.8	100	15.8
5	0.9	37	5.9	69	10.9	101	15.9
6	1.0	38	6.1	70	11.1	102	16.1
7	1.2	39	6.2	71	11.2	103	16.2
8	1.4	40	6.4	72	11.4	104	16.4
9	1.5	41	6.5	73	11.5	105	16.6
10	1.7	42	6.7	74	11.7	106	16.7
11	1.8	43	6.8	75	11.9	107	16.9
12	2.0	44	7.0	76	12.0	108	17.0
13	2.1	45	7.2	77	12.2	109	17.2
14	2.3	46	7.3	78	12.3	110	17.3
15	2.5	47	7.5	79	12.5	111	17.5
16	2.6	48	7.6	80	12.6	112	17.6
17	2.8	49	7.8	81	12.8	113	17.8
18	2.9	50	7.9	82	12.9	114	18.0
19	3.1	51	8.1	83	13.1	115	18.1
20	3.2	52	8.2	84	13.3	116	18.3
21	3.4	53	8.4	85	13.4	117	18.4
22	3.5	54	8.6	86	13.6	118	18.6
23	3.7	55	8.7	87	13.7	119	18.7
24	3.9	56	8.9	88	13.9	120	18.9
25	4.0	57	9.0	89	14.0	121	19.1
26	4.2	58	9.2	90	14.2	122	19.2
27	4.3	59	9.3	91	14.4	123	19.4
28	4.5	60	9.5	92	14.5	124	19.5
29	4.6	61	9.7	93	14.7	125	19.7
30	4.8	62	9.8	94	14.8	126	19.8
31	5.0	63	10.0	95	15.0	127	20.0

table#11
Reverb Width; Depth; Height

Data	Value	Data	Value	Data	Value	Data	Value
0	0.5	32	8.8	64	17.6	96	27.5
1	0.8	33	9.1	65	17.9	97	27.8
2	1.0	34	9.4	66	18.2	98	28.1
3	1.3	35	9.6	67	18.5	99	28.5
4	1.5	36	9.9	68	18.8	100	28.8
5	1.8	37	10.2	69	19.1	101	29.2
6	2.0	38	10.4	70	19.4	102	29.5
7	2.3	39	10.7	71	19.7	103	29.9
8	2.6	40	11.0	72	20.0	104	30.2
9	2.8	41	11.2	73	20.2		
10	3.1	42	11.5	74	20.5		
11	3.3	43	11.8	75	20.8		
12	3.6	44	12.1	76	21.1		
13	3.9	45	12.3	77	21.4		
14	4.1	46	12.6	78	21.7		
15	4.4	47	12.9	79	22.0		
16	4.6	48	13.1	80	22.4		
17	4.9	49	13.4	81	22.7		
18	5.2	50	13.7	82	23.0		
19	5.4	51	14.0	83	23.3		
20	5.7	52	14.2	84	23.6		
21	5.9	53	14.5	85	23.9		
22	6.2	54	14.8	86	24.2		
23	6.5	55	15.1	87	24.5		
24	6.7	56	15.4	88	24.9		
25	7.0	57	15.6	89	25.2		
26	7.2	58	15.9	90	25.5		
27	7.5	59	16.2	91	25.8		
28	7.8	60	16.5	92	26.1		
29	8.0	61	16.8	93	26.5		
30	8.3	62	17.1	94	26.8		
31	8.6	63	17.3	95	27.1		

table#14
Tempo

Data	Value	Data	Value	Data	Value
0	64th/3	32	4thX19	64	4thX51
1	64th.	33	4thX20	65	4thX52
2	32th	34	4thX21	66	4thX53
3	32th/3	35	4thX22	67	4thX54
4	32th.	36	4thX23	68	4thX55
5	16th	37	4thX24	69	4thX56
6	16th/3	38	4thX25	70	4thX57
7	16th.	39	4thX26	71	4thX58
8	8th	40	4thX27	72	4thX59
9	8th/3	41	4thX28	73	4thX60
10	8th.	42	4thX29	74	4thX61
11	4th	43	4thX30	75	4thX62
12	4th/3	44	4thX31	76	4thX63
13	4th.	45	4thX32	77	4thX64
14	2nd	46	4thX33		
15	2nd/3	47	4thX34		
16	2nd.	48	4thX35		
17	4thX4	49	4thX36		
18	4thX5	50	4thX37		
19	4thX6	51	4thX38		
20	4thX7	52	4thX39		
21	4thX8	53	4thX40		
22	4thX9	54	4thX41		
23	4thX10	55	4thX42		
24	4thX11	56	4thX43		
25	4thX12	57	4thX44		
26	4thX13	58	4thX45		
27	4thX14	59	4thX46		
28	4thX15	60	4thX47		
29	4thX16	61	4thX48		
30	4thX17	62	4thX49		
31	4thX18	63	4thX50		

table#15
Dry/Wet

Data	Dry (dB)	Wet (dB)	Data	Dry (dB)	Wet (dB)	Data	Dry (dB)	Wet (dB)
1	0.00	-∞	44	0.00	-6.63	87	-7.89	0.00
2	0.00	-71.97	45	0.00	-6.24	88	-8.33	0.00
3	0.00	-59.93	46	0.00	-5.85	89	-8.78	0.00
4	0.00	-52.89	47	0.00	-5.46	90	-9.25	0.00
5	0.00	-47.89	48	0.00	-5.09	91	-9.72	0.00
6	0.00	-44.01	49	0.00	-4.72	92	-10.21	0.00
7	0.00	-40.85	50	0.00	-4.37	93	-10.71	0.00
8	0.00	-38.17	51	0.00	-4.01	94	-11.23	0.00
9	0.00	-35.85	52	0.00	-3.67	95	-11.77	0.00
10	0.00	-33.80	53	0.00	-3.33	96	-12.32	0.00
11	0.00	-31.97	54	0.00	-3.00	97	-12.89	0.00
12	0.00	-30.32	55	0.00	-2.68	98	-13.48	0.00
13	0.00	-28.81	56	0.00	-2.36	99	-14.09	0.00
14	0.00	-27.42	57	0.00	-2.05	100	-14.72	0.00
15	0.00	-26.13	58	0.00	-1.74	101	-15.37	0.00
16	0.00	-24.93	59	0.00	-1.44	102	-16.06	0.00
17	0.00	-23.81	60	0.00	-1.14	103	-16.77	0.00
18	0.00	-22.76	61	0.00	-0.85	104	-17.50	0.00
19	0.00	-21.76	62	0.00	-0.56	105	-18.28	0.00
20	0.00	-20.82	63	0.00	-0.28	106	-19.08	0.00
21	0.00	-19.93	64	0.00	0.00	107	-19.93	0.00
22	0.00	-19.08	65	-0.28	0.00	108	-20.82	0.00
23	0.00	-18.28	66	-0.56	0.00	109	-21.76	0.00
24	0.00	-17.50	67	-0.85	0.00	110	-22.76	0.00
25	0.00	-16.77	68	-1.14	0.00	111	-23.81	0.00
26	0.00	-16.06	69	-1.44	0.00	112	-24.93	0.00
27	0.00	-15.37	70	-1.74	0.00	113	-26.13	0.00
28	0.00	-14.72	71	-2.05	0.00	114	-27.42	0.00
29	0.00	-14.09	72	-2.36	0.00	115	-28.81	0.00
30	0.00	-13.48	73	-2.68	0.00	116	-30.32	0.00
31	0.00	-12.89	74	-3.00	0.00	117	-31.97	0.00
32	0.00	-12.32	75	-3.33	0.00	118	-33.80	0.00
33	0.00	-11.77	76	-3.67	0.00	119	-35.85	0.00
34	0.00	-11.23	77	-4.01	0.00	120	-38.17	0.00
35	0.00	-10.71	78	-4.37	0.00	121	-40.85	0.00
36	0.00	-10.21	79	-4.72	0.00	122	-44.01	0.00
37	0.00	-9.72	80	-5.09	0.00	123	-47.89	0.00
38	0.00	-9.25	81	-5.46	0.00	124	-52.89	0.00
39	0.00	-8.78	82	-5.85	0.00	125	-59.93	0.00
40	0.00	-8.33	83	-6.24	0.00	126	-71.97	0.00
41	0.00	-7.89	84	-6.63	0.00	127	-∞	0.00
42	0.00	-7.46	85	-7.04	0.00			
43	0.00	-7.04	86	-7.46	0.00			

table#16
Feedback Level (Reverb, Delay types, Flanger types)

Data	Value (%)	Data	Value (%)	Data	Value (%)
1	-99.20654297	44	-31.49414063	87	36.21826172
2	-97.63183594	45	-29.91943359	88	37.79296875
3	-96.05712891	46	-28.34472656	89	39.36767578
4	-94.48242188	47	-26.77001953	90	40.94238281
5	-92.90771484	48	-25.1953125	91	42.51708984
6	-91.33300781	49	-23.62060547	92	44.09179688
7	-89.75830078	50	-22.04589844	93	45.66650391
8	-88.18359375	51	-20.47119141	94	47.24121094
9	-86.60888672	52	-18.89648438	95	48.81591797
10	-85.03417969	53	-17.32177734	96	50.390625
11	-83.45947266	54	-15.74707031	97	51.96533203
12	-81.88476563	55	-14.17236328	98	53.54003906
13	-80.31005859	56	-12.59765625	99	55.11474609
14	-78.73535156	57	-11.02294922	100	56.68945313
15	-77.16064453	58	-9.448242188	101	58.26416016
16	-75.5859375	59	-7.873535156	102	59.83886719
17	-74.01123047	60	-6.298828125	103	61.41357422
18	-72.43652344	61	-4.724121094	104	62.98828125
19	-70.86181641	62	-3.149414063	105	64.56298828
20	-69.28710938	63	-1.574707031	106	66.13769531
21	-67.71240234	64	0	107	67.71240234
22	-66.13769531	65	1.574707031	108	69.28710938
23	-64.56298828	66	3.149414063	109	70.86181641
24	-62.98828125	67	4.724121094	110	72.43652344
25	-61.41357422	68	6.298828125	111	74.01123047
26	-59.83886719	69	7.873535156	112	75.5859375
27	-58.26416016	70	9.448242188	113	77.16064453
28	-56.68945313	71	11.02294922	114	78.73535156
29	-55.11474609	72	12.59765625	115	80.31005859
30	-53.54003906	73	14.17236328	116	81.88476563
31	-51.96533203	74	15.74707031	117	83.45947266
32	-50.390625	75	17.32177734	118	85.03417969
33	-48.81591797	76	18.89648438	119	86.60888672
34	-47.24121094	77	20.47119141	120	88.18359375
35	-45.66650391	78	22.04589844	121	89.75830078
36	-44.09179688	79	23.62060547	122	91.33300781
37	-42.51708984	80	25.1953125	123	92.90771484
38	-40.94238281	81	26.77001953	124	94.48242188
39	-39.36767578	82	28.34472656	125	96.05712891
40	-37.79296875	83	29.91943359	126	97.63183594
41	-36.21826172	84	31.49414063	127	99.20654297
42	-34.64355469	85	33.06884766		
43	-33.06884766	86	34.64355469		

table#17
Feedback Level (Chorus types)

Data	Value (%)	Data	Value (%)	Data	Value (%)	Data	Value (%)
1	-72.29	33	-35.57	65	1.15	97	37.87
2	-71.14	34	-34.42	66	2.29	98	39.01
3	-70.00	35	-33.28	67	3.44	99	40.16
4	-68.85	36	-32.13	68	4.59	100	41.31
5	-67.70	37	-30.98	69	5.74	101	42.46
6	-66.55	38	-29.83	70	6.88	102	43.60
7	-65.41	39	-28.69	71	8.03	103	44.75
8	-64.26	40	-27.54	72	9.18	104	45.90
9	-63.11	41	-26.39	73	10.33	105	47.05
10	-61.96	42	-25.24	74	11.47	106	48.19
11	-60.82	43	-24.10	75	12.62	107	49.34
12	-59.67	44	-22.95	76	13.77	108	50.49
13	-58.52	45	-21.80	77	14.92	109	51.64
14	-57.37	46	-20.65	78	16.06	110	52.78
15	-56.23	47	-19.51	79	17.21	111	53.93
16	-55.08	48	-18.36	80	18.36	112	55.08
17	-53.93	49	-17.21	81	19.51	113	56.23
18	-52.78	50	-16.06	82	20.65	114	57.37
19	-51.64	51	-14.92	83	21.80	115	58.52
20	-50.49	52	-13.77	84	22.95	116	59.67
21	-49.34	53	-12.62	85	24.10	117	60.82
22	-48.19	54	-11.47	86	25.24	118	61.96
23	-47.05	55	-10.33	87	26.39	119	63.11
24	-45.90	56	-9.18	88	27.54	120	64.26
25	-44.75	57	-8.03	89	28.69	121	65.41
26	-43.60	58	-6.88	90	29.83	122	66.55
27	-42.46	59	-5.74	91	30.98	123	67.70
28	-41.31	60	-4.59	92	32.13	124	68.85
29	-40.16	61	-3.44	93	33.28	125	70.00
30	-39.01	62	-2.29	94	34.42	126	71.14
31	-37.87	63	-1.15	95	35.57	127	72.29
32	-36.72	64	0.00	96	36.72		

table#18
Level

Data	dB	Data	dB	Data	dB	Data	dB
0	-∞	32	-23.95	64	-11.90	96	-4.86
1	-84.15	33	-23.41	65	-11.64	97	-4.68
2	-72.11	34	-22.89	66	-11.37	98	-4.50
3	-65.07	35	-22.39	67	-11.11	99	-4.33
4	-60.07	36	-21.90	68	-10.85	100	-4.15
5	-56.19	37	-21.42	69	-10.60	101	-3.98
6	-53.03	38	-20.96	70	-10.35	102	-3.81
7	-50.35	39	-20.51	71	-10.10	103	-3.64
8	-48.03	40	-20.07	72	-9.86	104	-3.47
9	-45.98	41	-19.64	73	-9.62	105	-3.30
10	-44.15	42	-19.22	74	-9.38	106	-3.14
11	-42.50	43	-18.81	75	-9.15	107	-2.98
12	-40.98	44	-18.41	76	-8.92	108	-2.82
13	-39.59	45	-18.02	77	-8.69	109	-2.66
14	-38.31	46	-17.64	78	-8.47	110	-2.50
15	-37.11	47	-17.27	79	-8.25	111	-2.34
16	-35.99	48	-16.90	80	-8.03	112	-2.18
17	-34.93	49	-16.54	81	-7.81	113	-2.03
18	-33.94	50	-16.19	82	-7.60	114	-1.88
19	-33.00	51	-15.85	83	-7.39	115	-1.72
20	-32.11	52	-15.51	84	-7.18	116	-1.57
21	-31.26	53	-15.18	85	-6.98	117	-1.42
22	-30.46	54	-14.86	86	-6.77	118	-1.28
23	-29.68	55	-14.54	87	-6.57	119	-1.13
24	-28.94	56	-14.22	88	-6.37	120	-0.98
25	-28.23	57	-13.92	89	-6.18	121	-0.84
26	-27.55	58	-13.62	90	-5.98	122	-0.70
27	-26.90	59	-13.32	91	-5.79	123	-0.56
28	-26.27	60	-13.03	92	-5.60	124	-0.42
29	-25.66	61	-12.74	93	-5.41	125	-0.28
30	-25.07	62	-12.46	94	-5.23	126	-0.14
31	-24.50	63	-12.18	95	-5.04	127	0.00

table#19
LFO Depth

Data	Value (%)	Data	Value (%)	Data	Value (%)	Data	Value (%)
0	0.00	32	25.20	64	50.39	96	75.59
1	0.78	33	25.98	65	51.17	97	76.37
2	1.56	34	26.76	66	51.95	98	77.15
3	2.34	35	27.54	67	52.73	99	77.93
4	3.13	36	28.32	68	53.52	100	78.71
5	3.91	37	29.10	69	54.30	101	79.49
6	4.69	38	29.88	70	55.08	102	80.27
7	5.47	39	30.66	71	55.86	103	81.05
8	6.25	40	31.45	72	56.64	104	81.84
9	7.03	41	32.23	73	57.42	105	82.62
10	7.81	42	33.01	74	58.20	106	83.40
11	8.59	43	33.79	75	58.98	107	84.18
12	9.38	44	34.57	76	59.77	108	84.96
13	10.16	45	35.35	77	60.55	109	85.74
14	10.94	46	36.13	78	61.33	110	86.52
15	11.72	47	36.91	79	62.11	111	87.30
16	12.50	48	37.70	80	62.89	112	88.09
17	13.28	49	38.48	81	63.67	113	88.87
18	14.06	50	39.26	82	64.45	114	89.65
19	14.84	51	40.04	83	65.23	115	90.43
20	15.63	52	40.82	84	66.02	116	91.21
21	16.41	53	41.60	85	66.80	117	91.99
22	17.19	54	42.38	86	67.58	118	92.77
23	17.97	55	43.16	87	68.36	119	93.55
24	18.75	56	43.95	88	69.14	120	94.34
25	19.53	57	44.73	89	69.92	121	95.12
26	20.31	58	45.51	90	70.70	122	95.90
27	21.09	59	46.29	91	71.48	123	96.68
28	21.88	60	47.07	92	72.27	124	97.46
29	22.66	61	47.85	93	73.05	125	98.24
30	23.44	62	48.63	94	73.83	126	99.02
31	24.22	63	49.41	95	74.61	127	100.00

table#20
Dyna Attack Time (ms)

Data	Value	Data	Value	Data	Value	Data	Value
0	0.3	32	54.0	64	112	96	170
1	0.9	33	56.0	65	114	97	172
2	1.8	34	58.0	66	116	98	174
3	2.7	35	60.0	67	118	99	176
4	3.6	36	61.0	68	120	100	178
5	5.4	37	63.0	69	121	101	180
6	7.2	38	65.0	70	123	102	181
7	9.0	39	67.0	71	125	103	183
8	10.0	40	69.0	72	127	104	185
9	12.0	41	70.0	73	129	105	187
10	14.0	42	72.0	74	130	106	189
11	16.0	43	74.0	75	132	107	190
12	18.0	44	76.0	76	134	108	192
13	20.0	45	78.0	77	136	109	194
14	21.0	46	80.0	78	138	110	196
15	23.0	47	81.0	79	140	111	198
16	25.0	48	83.0	80	141	112	200
17	27.0	49	85.0	81	143	113	201
18	29.0	50	87.0	82	145	114	203
19	30.0	51	89.0	83	147	115	205
20	32.0	52	90.0	84	149	116	207
21	34.0	53	92.0	85	150	117	209
22	36.0	54	94.0	86	152	118	210
23	38.0	55	96.0	87	154	119	212
24	40.0	56	98.0	88	156	120	214
25	41.0	57	100.0	89	158	121	216
26	43.0	58	101.0	90	160	122	218
27	45.0	59	103.0	91	161	123	220
28	47.0	60	105.0	92	163	124	221
29	49.0	61	107.0	93	165	125	223
30	50.0	62	109.0	94	167	126	225
31	52.0	63	110.0	95	169	127	227

table#21
Dyna Release Time (ms)

Data	Value	Data	Value	Data	Value	Data	Value
0	2.6	32	86.8	64	369.1	96	1064.0
1	3.0	33	91.2	65	390.8	97	1085.7
2	3.4	34	95.5	66	412.5	98	1107.4
3	3.9	35	99.8	67	434.2	99	1129.1
4	4.3	36	104.2	68	456.0	100	1150.8
5	4.7	37	108.5	69	477.7	101	1172.5
6	5.2	38	112.9	70	499.4	102	1194.3
7	5.6	39	117.2	71	521.1	103	1216.0
8	6.0	40	121.6	72	542.8	104	1237.7
9	6.5	41	125.9	73	564.5	105	1259.4
10	6.9	42	130.2	74	586.2	106	1281.1
11	7.3	43	134.6	75	608.0	107	1302.8
12	7.8	44	138.9	76	629.7	108	1346.3
13	8.2	45	143.3	77	651.4	109	1389.7
14	8.6	46	147.6	78	673.1	110	1433.1
15	13.0	47	152.0	79	694.8	111	1476.6
16	17.3	48	156.3	80	716.5	112	1520.0
17	21.7	49	160.6	81	738.3	113	1563.4
18	26.0	50	165.0	82	760.0	114	1606.8
19	30.4	51	169.3	83	781.7	115	1650.3
20	34.7	52	173.7	84	803.4	116	1693.7
21	39.0	53	178.0	85	825.1	117	1737.1
22	43.4	54	182.4	86	846.8	118	1780.6
23	47.7	55	186.7	87	868.5	119	1824.0
24	52.1	56	195.4	88	890.3	120	1867.4
25	56.4	57	217.1	89	912.0	121	1910.8
26	60.8	58	238.8	90	933.7	122	1954.3
27	65.1	59	260.5	91	955.4	123	1997.7
28	69.4	60	282.2	92	977.1	124	2041.1
29	73.8	61	304.0	93	998.8	125	2084.6
30	78.1	62	325.7	94	1020.5	126	2128.0
31	82.5	63	347.4	95	1042.3	127	2171.4

table#22
Ring Mod Osc Freq Course (Hz)

Data	Value	Data	Value	Data	Value	Data	Value
0	0.7	32	25.6	64	151.4	96	895.0
1	1.3	33	26.9	65	160.2	97	946.1
2	2.0	34	28.9	66	169.6	98	1000.7
3	2.7	35	30.3	67	179.0	99	1057.2
4	3.4	36	32.3	68	189.1	100	1117.7
5	4.0	37	33.6	69	199.9	101	1181.7
6	4.7	38	35.7	70	211.3	102	1249.0
7	5.4	39	37.7	71	223.4	103	1320.3
8	6.1	40	39.7	72	236.2	104	1395.7
9	6.7	41	42.4	73	249.7	105	1475.1
10	7.4	42	44.4	74	263.8	106	1559.2
11	8.1	43	47.1	75	279.3	107	1648.7
12	8.7	44	49.8	76	294.7	108	1742.9
13	9.4	45	52.5	77	311.6	109	1841.8
14	10.1	46	55.9	78	329.7	110	1947.5
15	10.8	47	59.2	79	348.6	111	2058.5
16	11.4	48	62.6	80	368.1	112	2175.6
17	12.1	49	65.9	81	389.6	113	2300.1
18	12.8	50	70.0	82	411.8	114	2431.3
19	13.5	51	73.3	83	435.4	115	2569.9
20	14.1	52	78.1	84	459.6	116	2716.6
21	14.8	53	82.1	85	485.9	117	2871.4
22	15.5	54	86.8	86	514.1	118	3035.6
23	16.2	55	92.2	87	543.1	119	3208.5
24	16.8	56	96.9	88	574.0	120	3391.6
25	17.5	57	103.0	89	607.0	121	3585.4
26	18.2	58	108.3	90	642.0	122	3790.0
27	19.5	59	115.1	91	678.3	123	4006.6
28	20.9	60	121.1	92	717.3	124	4234.8
29	21.5	61	128.5	93	757.7	125	4477.0
30	22.9	62	135.9	94	801.5	126	4732.1
31	24.2	63	143.3	95	847.2	127	5002.6

table#23
V-Flanger Delay Offset

Data	Value	Data	Value
0	0.1	70	6.4
1	0.1	71	6.7
2	0.1	72	7.0
3	0.2	73	7.4
4	0.2	74	7.7
5	0.2	75	8.1
6	0.2	76	8.5
7	0.2	77	9.0
8	0.3	78	9.4
9	0.3	79	9.9
10	0.3	80	10.3
11	0.3	81	10.7
12	0.4	82	11.2
13	0.4	83	11.6
14	0.4	84	12.1
15	0.4	85	12.5
16	0.4	86	12.9
17	0.5	87	13.4
18	0.5	88	13.8
19	0.5	89	14.2
20	0.5	90	14.7
21	0.6	91	15.1
22	0.6	92	15.6
23	0.6	93	16.0
24	0.7	94	16.4
25	0.7	95	16.9
26	0.7	96	17.3
27	0.8	97	17.8
28	0.8	98	18.2
29	0.8	99	18.6
30	0.9	100	19.1
31	0.9	101	19.5
32	1.0	102	20.0
33	1.0	103	20.4
34	1.1	104	20.8
35	1.1	105	21.3
36	1.2	106	21.7
37	1.2	107	22.2
38	1.3	108	22.6
39	1.4	109	23.0
40	1.4	110	23.5
41	1.5	111	23.9
42	1.6	112	24.4
43	1.7	113	24.8
44	1.8	114	25.2
45	1.8	115	25.7
46	1.9	116	26.1
47	2.0	117	26.5
48	2.1	118	27.0
49	2.3	119	27.4
50	2.4	120	27.9
51	2.5	121	28.3
52	2.6	122	28.7
53	2.7	123	29.2
54	2.9	124	29.6
55	3.0	125	30.1
56	3.2	126	30.5
57	3.3	127	30.9
58	3.5	128	31.4
59	3.7	129	31.8
60	3.9	130	32.3
61	4.1	131	32.7
62	4.3	132	33.1
63	4.5	133	33.6
64	4.7	134	34.0
65	5.0	135	34.5
66	5.2	136	34.9
67	5.5	137	35.3
68	5.8	138	35.8
69	6.0	139	36.2

table#24
Modulation Phase

Data	Value
0	-180
1	-158
2	-135
3	-113
4	-90
5	-68
6	-45
7	-23
8	0
9	23
10	45
11	68
12	90
13	113
14	135
15	158
16	180

Harmony/Echo Type List / Liste der Harmony/Echo-Effekttypen / Liste des types d'harmonie/d'écho / Lista de tipos de ecos/armonías

STANDARD DUET
STANDARD TRIO
FULL CHORD
ROCK DUET
COUNTRY DUET
COUNTRY TRIO

BLOCK
4-WAY CLOSE 1
4-WAY CLOSE 2
4-WAY OPEN
1+5
OCTAVE

STRUM
MULTI ASSIGN
ECHO
TREMOLO
TRILL

Vocal Harmony Type List / Liste der Vocal-Harmony-Effekttypen / Liste des types d'fharmonie vocale / Lista de tipos de armonía (PSR-S900)

Order	Type	LCD Name	Mode	Vocoder Type		Chordal Type		Detune Type		Chromatic Type		Thru Type	
				MSB	LSB	MSB	LSB	MSB	LSB	MSB	LSB	MSB	LSB
1	CountryQuartet	CountryQuar	Chordal/Vocorder	89	111	90	47						
2	ClosedMenQuartet	ClsdMenQuar	Chordal/Vocorder	89	117	90	53						
3	MixAcapQuartet	MixAcapQuar	Chordal/Vocorder	89	119	90	55						
4	Women Choir	WomenChoir	Chordal/Vocorder	89	88	90	24						
5	Jazz Sisters	JazzSisters	Chordal/Vocorder	89	120	90	56						
6	Standard Duet	Std Duet	Chordal/Vocorder	89	80	90	16						
7	Men Choir	MenChoir	Chordal/Vocorder	89	87	90	23						
8	Closed Choir	ClosedChoir	Chordal/Vocorder	89	90	90	26						
9	Girl in Duet	Girl Duet	Chordal/Vocorder	89	81	90	17						
10	Speedy Mouse	SpdyMouse	Chromatic							92	17		
11	HighMaleQuartet	HighMaleQua	Chordal/Vocorder	89	115	90	51						
12	Jazz Quartet	JazzQuartet	Chordal/Vocorder	89	114	90	50						
13	Mixed Choir	MixedChoir	Chordal/Vocorder	89	91	90	27						
14	Country Girls	CntryGirls	Chordal/Vocorder	89	89	90	25						
15	Sisters Trio	SistersTrio	Chordal/Vocorder	89	113	90	49						
16	Country Men	CountryMen	Chordal/Vocorder	89	83	90	19						
17	A Capella Boy	ACapellBoy	Chordal/Vocorder	89	85	90	21						
18	A Capella Mix	ACapellaMix	Chordal/Vocorder	89	86	90	22						
19	Gospel Diva	GospelDiva	Chordal/Vocorder	89	112	90	48						
20	Lisa and Tina	Lisa&Tina	Chordal/Vocorder	89	82	90	18						
21	AcapMenQuartet	AcapMenQuar	Chordal/Vocorder	89	118	90	54						
22	JazzMenChoir	JazzMenCho	Chordal/Vocorder	89	101	90	37						
23	JazzClosedCho	J_CloseCho	Chordal/Vocorder	89	103	90	39						
24	JazzWomenCho	J_WomenCho	Chordal/Vocorder	89	102	90	38						
25	LadiesQuartet	LadiesQuart	Chordal/Vocorder	89	116	90	52						
26	Sing B+G	Sing B+G	Chordal/Vocorder	89	93	90	29						
27	Barbershop	Barbershop	Chordal/Vocorder	89	96	90	32						
28	JazzMixedCho	J_MixedCho	Chordal/Vocorder	89	104	90	40						
29	Dream Girls	Dream Girls	Chordal/Vocorder	89	94	90	30						
30	Sing the Bass	SingBass	Chromatic							92	16		
31	Falsetto Duet	FalsetDuet	Chordal/Vocorder	89	84	90	20						
32	Falsetto Trio	FalsettTrio	Chordal/Vocorder	89	92	90	28						
33	Falsetto Dia	FalsettoDia	Chordal/Vocorder	89	100	90	36						
34	Fal A Capella	FalACapella	Chordal/Vocorder	89	95	90	31						
35	Falsetto Jazz	FalsetJazz	Chordal/Vocorder	89	105	90	41						
36	2 Unison Low	2UnisonLow	Chordal/Vocorder	89	106	90	42						
37	3 Unison Low	3UnisonLow	Chordal/Vocorder	89	108	90	44						
38	Diatonic Jazz	DiatncJazz	Chordal/Vocorder	89	97	90	33						
39	Diatonic Girl	DiatncGirl	Chordal/Vocorder	89	98	90	34						
40	A Capella Dia	ACapellaDia	Chordal/Vocorder	89	99	90	35						
41	ChordalXG	ChordalXG	Chordal/Vocorder	89	64	90	0						
42	Karaoke Auto	KaraokAuto	Chordal/Vocorder	89	24	90	88						
43	Karaoke Mode	KaraokMode	Chordal/Vocorder	89	25	90	89						
44	Karaoke Girl	KaraokGirl	Chordal/Vocorder	89	26	90	90						
45	Pitch Correct	PitchCorrect	Chordal/Vocorder	89	27	90	91						
46	2 Unison High	2UnisonHigh	Chordal/Vocorder	89	107	90	43						
47	3 Unison High	3UnisonHigh	Chordal/Vocorder	89	109	90	45						
48	Vocoder Auto Upper	VocodAutoU	Chordal/Vocorder	89	16	90	80						
49	Vocoder Auto Lower	VocodAutoL	Chordal/Vocorder	89	17	90	81						
50	DetuneXG	DetuneXG	Detune					91	0				
51	VocoderXG	VocoderXG	Chordal/Vocorder	89	0	90	64						
52	Vocoder Mode Upper	VocodModeU	Chordal/Vocorder	89	18	90	82						
53	Vocoder Mode Lower	VocodModeL	Chordal/Vocorder	89	19	90	83						
54	Vocoder Girl Upper	VocodGirlU	Chordal/Vocorder	89	20	90	84						
55	Vocoder Girl Lower	VocodGirlL	Chordal/Vocorder	89	21	90	85						
56	Vocoder Pitch Upper	VocodPichU	Chordal/Vocorder	89	22	90	86						
57	Vocoder Pitch Lower	VocodPichL	Chordal/Vocorder	89	23	90	87						
58	ChromaticXG	ChromatXG	Chromatic							92	0		
59	Voice&Inst	Voice&Inst	Chordal/Vocorder	89	110	90	46						
60	Pop Vocal	Pop Vocal	Chordal/Vocorder	89	121	90	57						
61	Thru	Thru	-									64	0

Parameter Chart / Parametertabelle / Tableau des paramètres / Gráfico de parámetros

Parameter	PSR-S700	PSR-S900	System				Voice	Voice Set Group	Song		Style		Multi Pad	Registration		Param Lock Group	Note
			Setup	MIDI Setup	User Effect	Music Finder				Song Setup Group	Style	OTS		Regist	Freeze Group		
Main																	
SongFile	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Song	–	
StyleFile	O	O	X	X	X	O	X	–	X	–	X	X	X	O	Style	–	
MultiPad File	O	O	X	X	X	X	X	–	X	–	X	O	X	O	Multi Pad	–	
Right1 VoiceFile	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Right2 VoiceFile	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Left VoiceFile	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
PartSelect	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
PartOnOff (Right1)	O	O	X	X	X	X	X	–	O	Keyboard Voice	X	O	X	O	Voice	–	
PartOnOff (Right2)	O	O	X	X	X	X	X	–	O	Keyboard Voice	X	O	X	O	Voice	–	
PartOnOff (Left)	O	O	X	X	X	X	X	–	O	Keyboard Voice	X	O	X	O	Style	–	
RegistrationBankFile	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
File System																	
CharacterSelect	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	One setting for all the Name related pop-up window.
Song																	
Track1, 2 On/Off	O	O	X	X	X	X	X	–	O	Guide Setting	X	X	X	X	–	–	Setting is linked to Channel on/off.
ExtraTracks On/Off	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	Setting is linked to Channel on/off.
A-B Repeat	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Synchro Start	O	O	X	X	X	X	X	–	X	–	X	X	X	O	SONG	–	
StartStop	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Channel On/Off	O	O	X	X	X	X	X	–	X	–	X	X	X	O	SONG	–	
Menu > Function > SongSetting																	
Guide Mode	O	O	O	X	X	X	X	–	O	Guide Setting	X	X	X	X	–	–	Reset to its default setting when song data doesn't include this data.
Repeat Mode	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Phrase Mark Repeat	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Track1 Channel	O	O	O	X	X	X	X	–	O	–	X	X	X	X	–	–	Set by recording. Different from one of the Track2.
Track2 Channel	O	O	O	X	X	X	X	–	O	–	X	X	X	X	–	–	Set by recording. Different from one of the Track2.
Auto Ch Set	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Lyrics Language	O	O	O	X	X	X	X	–	O	Lyrics Language	X	X	X	X	–	–	
QuickStart	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
PAT On/Off	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	Set to OFF when a song is selected. Set to ON if the selected song has Sys Ex messages at the beginning of the data.
Tempo																	
Song Tempo	O	O	X	X	X	X	X	–	O	TEMPO	O	X	X	O	Tempo	–	
DigitalStudio > DigitalRecording > Song Creator																	
REC Mode																	
Rec Start	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
PunchiInAt	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Rec End	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
PunchOutAt	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Pedal Punch In/Out	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Channel > Quantize																	
Channel	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Size	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Strength	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Channel > Track Delete																	
Track Delete	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Channel > Track Mix																	
Source1	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Source2	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Destination	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Channel > Channel Transpose																	
CHANNEL TRANSPOSE	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
REC Mode > Channel > Setup																	
Setup Select	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Channel > Chd/1-16/SysEx./Lyric > Filter																	
Main Filter	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Control Change Filter	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Style Filter	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Lyric/Text																	
BackGround (Panel Setting)		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
BackGround (Song Setting)		O	X	X	X	X	X	–	O	Lyrics Setting	X	X	X	X	–	–	Reset to the background selected last via the panel operation with Factory Reset.
Text File (Panel Setting)		O	X	X	X	X	X	–	X	–	X	X	X	O	TEXT	–	
Viewer Mode		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Text Sw																	
Text Size		O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	

Parameter Chart / Parametertabelle / Tableau des paramètres / Gráfico de parámetros

Parameter	PSR-S700	PSR-S900	System				Voice	Voice Set Group	Song		Style		Multi Pad	Registration		Param Lock Group	Note
			Setup	MIDI Setup	User Effect	Music Finder				Song Setup Group	Style	OTS		Regist	Freeze Group		
SCORE SW																	
Left on/off	O	O	O	X	X	X	X	–	O	Score Setting	X	X	X	X	–	–	
Right on/off	O	O	O	X	X	X	X	–	O	Score Setting	X	X	X	X	–	–	
Lyric on/off	O	O	O	X	X	X	X	–	O	Score Setting	X	X	X	X	–	–	
Pedal on/off	O	O	O	X	X	X	X	–	O	Score Setting	X	X	X	X	–	–	
Chord on/off	O	O	O	X	X	X	X	–	O	Score Setting	X	X	X	X	–	–	
NoteName on/off	O	O	O	X	X	X	X	–	O	Score Setting	X	X	X	X	–	–	
Fingering on/off	O	O	O	X	X	X	X	–	O	Score Setting	X	X	X	X	–	–	
Size	O	O	O	X	X	X	X	–	O	Score Setting	X	X	X	X	–	–	
Left ch.	O	O	O	X	X	X	X	–	O	Score Setting	X	X	X	X	–	–	
Right ch.	O	O	O	X	X	X	X	–	O	Score Setting	X	X	X	X	–	–	
KeySignature	O	O	X	X	X	X	X	–	O	Score Setting	X	X	X	X	–	–	
Quantize	O	O	O	X	X	X	X	–	O	Score Setting	X	X	X	X	–	–	
NoteName	O	O	O	X	X	X	X	–	O	Score Setting	X	X	X	X	–	–	
ColorNote		O	O	X	X	X	X	–	O	Score Setting	X	X	X	X	–	–	
Recording data																	
Song XG data	O	O	X	X	X	X	X	X	O	–	X	X	X	X	–	–	
Style																	
AccompanimentOnOff	O	O	X	X	X	X	X	–	X	–	X	O (On)	X	O	Style	–	
OTSLink	O	O	X	X	X	O (On)	X	–	X	–	X	X	X	X	–	–	
AutoFillIn	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Section	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Style	–	
SynchroStart	O	O	X	X	X	X	X	–	X	–	X	O (On)	X	O	Style	–	
SynchroStop	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Style	–	
StartStop	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Menu > Function > StyleSetting/SplitPoint/Chord Fingering																	
Style Setting																	
StopAcmp	O	O	O	X	X	X	X	–	X	–	X	X	X	O	Style	–	
OTSLinkTiming	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
SynchroStopWindow	O	O	O	X	X	X	X	–	X	–	X	X	X	O	Style	–	
StyleTouch	O	O	O	X	X	X	X	–	X	–	X	X	X	O	Style	–	
SectionSet	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Tempo Hold	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Part On/Off	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
SplitPoint																	
SplitPoint (Left)	O	O	O	X	X	X	X	–	X	–	X	X	X	O	Style	Split Point	
SplitPoint (Style)	O	O	O	X	X	X	X	–	O	Guide Setting	X	X	X	O	Style	Split Point	
Chord Fingering																	
FingeringType	O	O	O	X	X	X	X	–	X	–	X	X	X	O	Style	Fingering	
Chord Root Note	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Chord Root Type	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
DigitalStudio > DigitalRecording > Style Creator																	
BASIC																	
Section	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Pattern Length	O	O	X	X	X	X	X	–	X	–	O	X	X	X	–	–	
Tempo	O	O	X	X	X	X	X	–	X	–	O	X	X	X	–	–	
Beat	O	O	X	X	X	X	X	–	X	–	O	X	X	X	–	–	
Assembly																	
Source Pattern	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Section	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Channel	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Play Type	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Groove > Groove																	
Original Beat	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Beat Converter	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Swing	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Fine	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Groove > Dynamics																	
Channel	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Accent Type	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Strength	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Expand/Comp.	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Boost/Cut	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Channel > Quantize																	
Channel	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Size	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Strength	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Channel > Velocity Change																	
Channel	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Boost/Cut	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Channel > Bar Copy																	
Channel	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Source Top	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Source Last	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Destination	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	

Parameter	PSR-S700	PSR-S900	System				Voice	Voice Set Group	Song		Style		Multi Pad	Registration		Param Lock Group	Note
			Setup	MIDI Setup	User Effect	Music Finder				Song Setup Group	Style	OTS		Regist	Freeze Group		
Channel > Bar Clear																	
Channel	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Source Top	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Source Last	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Channel > Remove Event																	
Channel	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Event	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Parameter																	
Channel	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Source Root	O	O	X	X	X	X	X	–	X	–	O	X	X	X	–	–	
Source Chord	O	O	X	X	X	X	X	–	X	–	O	X	X	X	–	–	
NTR	O	O	X	X	X	X	X	–	X	–	O	X	X	X	–	–	
NTT	O	O	X	X	X	X	X	–	X	–	O	X	X	X	–	–	
NTT BASS	O	O	X	X	X	X	X	–	X	–	O	X	X	X	–	–	
High Key	O	O	X	X	X	X	X	–	X	–	O	X	X	X	–	–	
Note Limit Low	O	O	X	X	X	X	X	–	X	–	O	X	X	X	–	–	
Note Limit High	O	O	X	X	X	X	X	–	X	–	O	X	X	X	–	–	
RTR	O	O	X	X	X	X	X	–	X	–	O	X	X	X	–	–	
Edit > Filter																	
Main Filter	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Control Change Filter	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
MusicFinder																	
SortBy	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
SortOrder	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
TempoLock	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Search 1/2 display																	
Music	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Keyword	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Style (FileNumber)	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Beat	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
SearchArea	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Tempo (From)	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Tempo (To)	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Genre	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Search Result	O	O	X	X	X	O	X	–	X	–	X	X	X	X	–	–	
Record (=Property settings)	O	O	X	X	X	O	X	–	X	–	X	X	X	X	–	–	
Recording data																	
SFF data	O	O	X	X	X	X	X	–	X	–	O	X	X	X	–	–	
MultiPad																	
Multi Pad ContentsName	O	O	X	X	X	X	X	–	X	–	X	X	O	X	–	–	
DigitalStudio > DigitalRecording > Multi Pad Creator																	
Record																	
Repeat	O	O	X	X	X	X	X	–	X	–	X	X	O	X	–	–	
Chord Match	O	O	X	X	X	X	X	–	X	–	X	X	O	X	–	–	
Edit > Filter																	
Main Filter	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Control Change Filter	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Recording data																	
Multi Pad Data	O	O	X	X	X	X	X	–	X	–	X	X	O	X	–	–	
Voice																	
LeftHold	O	O	X	X	X	X	X	–	O	Keyboard Voice	X	O	X	O	Style	–	
VoiceEffect																	
Initial Touch On Off	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Voice	–	
Harmony/Echo	O	O	X	X	X	X	X	–	O	Keyboard Voice	X	O	X	O	Harmony	–	
Poly/Mono (Right1)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Poly/Mono (Right2)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Poly/Mono (Left)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Style	–	
Panel Sustain	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Voice	–	
DSP (Right1)	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Voice	–	
DSP (Right2)	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Voice	–	
DSP (Left)	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Style	–	
Variation (Right1)	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Voice	–	
Variation (Right2)	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Voice	–	
Variation (Left)	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Style	–	
Voice Open/Save > Voice Set																	
Voice (Right1)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Voice (Right2)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Voice (Left)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Style	–	
Volume for Balance (Right1)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Volume for Balance (Right2)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Volume for Balance (Left)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Style	–	
Touch Sense Depth (Right1)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Touch Sense Depth (Right2)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Touch Sense Depth (Left)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Style	–	
Touch Sense Offset (Right1)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Touch Sense Offset (Right2)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Touch Sense Offset (Left)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Style	–	

Parameter	PSR-S700	PSR-S900	System				Voice	Voice Set Group	Song		Style		Multi Pad	Registration		Param Lock Group	Note
			Setup	MIDI Setup	User Effect	Music Finder				Song Setup Group	Style	OTS		Regist	Freeze Group		
Voice Open/Save > Voice Set																	
Octave for Right1	O	O	X	X	X	X	O	Voice	X	–	X	O	X	O	Voice	–	
Octave for Right2	O	O	X	X	X	X	O	Voice	X	–	X	O	X	O	Voice	–	
Octave for Left	O	O	X	X	X	X	O	Voice	X	–	X	O	X	O	Style	–	
CONTROLLER																	
MW Low Pass Filter Control (Right1)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
MW Low Pass Filter Control (Right2)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
MW Low Pass Filter Control (Left)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Style	–	
MW Amplitude Control (Right1)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
MW Amplitude Control (Right2)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
MW Amplitude Control (Left)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Style	–	
MW LFO PMOD Depth (Right1)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
MW LFO PMOD Depth (Right2)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
MW LFO PMOD Depth (Left)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Style	–	
MW LFO FMOD Depth (Right1)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
MW LFO FMOD Depth (Right2)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
MW LFO FMOD Depth (Left)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Style	–	
MW LFO AMOD Depth (Right1)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
MW LFO AMOD Depth (Right2)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
MW LFO AMOD Depth (Left)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Style	–	
SOUND																	
EG Attack (Right1)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
EG Attack (Right2)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
EG Attack (Left)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Style	–	
EG Decay (Right1)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
EG Decay (Right2)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
EG Decay (Left)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Style	–	
EG Release (Right1)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
EG Release (Right2)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
EG Release (Left)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Style	–	
Vibrato Depth (Right1)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Vibrato Depth (Right2)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Vibrato Depth (Left)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Style	–	
Vibrato Speed (Right1)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Vibrato Speed (Right2)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Vibrato Speed (Left)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Style	–	
Vibrato Delay (Right1)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Vibrato Delay (Right2)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Vibrato Delay (Left)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Style	–	
EFFECT/EQ																	
Panel Sustain (Right1)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Panel Sustain (Right2)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Panel Sustain (Left)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Style	–	
DSP Type (Right1)	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Voice	–	
DSP Type (Right2)	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Voice	–	
DSP Type (Left)	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Style	–	
DSP Variation Value (Right1)	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Voice	–	
DSP Variation Value (Right2)	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Voice	–	
DSP Variation Value (Left)	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Style	–	
EQ Low Freq (Right1)	O	O	X	X	X	X	O	EQ	O	Keyboard Voice	X	O	X	O	Voice	–	
EQ Low Freq (Right2)	O	O	X	X	X	X	O	EQ	O	Keyboard Voice	X	O	X	O	Voice	–	
EQ Low Freq (Left)	O	O	X	X	X	X	O	EQ	O	Keyboard Voice	X	O	X	O	Style	–	
EQ High Freq (Right1)	O	O	X	X	X	X	O	EQ	O	Keyboard Voice	X	O	X	O	Voice	–	
EQ High Freq (Right2)	O	O	X	X	X	X	O	EQ	O	Keyboard Voice	X	O	X	O	Voice	–	
EQ High Freq (Left)	O	O	X	X	X	X	O	EQ	O	Keyboard Voice	X	O	X	O	Style	–	
OrganFlute > Footage																	
Organ Flutes Footage (Right1)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Organ Flutes Footage (Right2)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Organ Flutes Footage (Left)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Style	–	
Organ Flutes Type (Right1)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Organ Flutes Type (Right2)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Organ FlutesType (Left)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Style	–	
Organ Vib On/Off (Right1)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Organ Vib On/Off (Right2)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Voice	–	

Parameter	PSR-S700	PSR-S900	System				Voice	Voice Set Group	Song		Style		Multi Pad	Registration		Param Lock Group	Note
			Setup	MIDI Setup	User Effect	Music Finder				Song Setup Group	Style	OTS		Regist	Freeze Group		
OrganFlute > Footage																	
Organ Vib On/Off (Left)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Style	–	
Organ Vib Depth (Right1)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Organ Vib Depth (Right2)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Organ Vib Depth (Left)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Style	–	
Organ Vib Speed (Right1)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Organ Vib Speed (Right2)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Organ Vib Speed (Left)	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Style	–	
Organ Flutes Attack Footage (Right1)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Organ Flutes Attack Footage (Right2)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Organ Flutes Attack Footage (Left)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Style	–	
Organ Flutes Attack Mode (Right1)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Organ Flutes Attack Mode (Right2)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Organ Flutes Attack Mode (Left)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Style	–	
Organ Flutes Attack length (Right1)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Organ Flutes Attack length (Right2)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Organ Flutes Attack length (Left)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Style	–	
Organ Flutes Response (Right1)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Organ Flutes Response (Right2)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Organ Flutes Response (Left)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Style	–	
Organ Flutes Volume (Right1)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Organ Flutes Volume (Right2)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Organ Flutes Volume (Left)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Style	–	
Mic																	
VocalHarmonyOnOff		O	X	X	X	X	X	–	O	Mic.Setting	X	X	X	O	Mic	Mic.Setting	
TalkOnOff		O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Mic EffectOnOff		O	X	X	X	X	X	–	O	Mic.Setting	X	X	X	O	Mic	Mic.Setting	
VHType		O	X	X	X	X	X	–	O	Mic.Setting	X	X	X	O	Mic	Mic.Setting	
VHParameters		O	X	X	O	X	X	–	O	Mic.Setting	X	X	X	X	–	Mic.Setting	
Main > Mic Setting																	
Mic Setting > OverAll Setting																	
EQ Low Freq.		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
EQ Low Gain		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
EQ Mid Freq.		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
EQ Mid Gain		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
EQ High Freq.		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
EQ High Gain		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Noise Gate SW		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Noise Gate TH		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Compressor SW		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Compressor TH		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Compressor RAT		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Compressor OUT		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
VH Song Channel Mute		O	X	X	X	X	X	–	X	–	X	X	X	O	Mic	Mic.Setting	
VH Song Channel		O	X	X	X	X	X	–	O	Mic.Setting	X	X	X	O	Mic	Mic.Setting	
VH Keyboard		O	X	X	X	X	X	–	O	Mic.Setting	X	X	X	O	Mic	Mic.Setting	
VH Balance		O	X	X	X	X	X	–	O	Mic.Setting	X	X	X	O	Mic	Mic.Setting	
VH Mode		O	X	X	X	X	X	–	X	–	X	X	X	O	Mic	Mic.Setting	
VH Chord Detect		O	X	X	X	X	X	–	X	–	X	X	X	O	Mic	Mic.Setting	
MicMute		O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
MicVolume		O	X	X	X	X	X	–	O	Mic.Setting	X	X	X	O	Mic	Mic.Setting	
VocalRange		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Mic Setting. > Talk Setting																	
Talk Setting Volume		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Talk Setting Pan		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Talk Setting ReverbDepth		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Talk Setting ChorusDepth		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Talk Setting TotalVolumeAttenuator		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Talk Setting DSPOnOff		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Talk Setting DSPDepth		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Talk Setting DSPType		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	

Parameter	PSR-S700	PSR-S900	System				Voice	Voice Set Group	Song		Style		Multi Pad	Registration		Param Lock Group	Note
			Setup	MIDI Setup	User Effect	Music Finder				Song Setup Group	Style	OTS		Regist	Freeze Group		
Main > Mixing Console > Voice																	
Volume																	
Offset Volume Song	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Song	–	
Offset Volume Style	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Style	–	
Volume M.Pad	O	O	X	X	X	X	X	–	O	Keyboard Voice	X	O	X	O	MultiPad	–	
Volume Mic		O	X	X	X	X	X	–	O	Mic.Setting	X	X	X	O	Mic	Mic.Setting	
Volume Left	O	O	X	X	X	X	X	–	O	Keyboard Voice	X	O	X	O	Style	–	
Volume Right1	O	O	X	X	X	X	X	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Volume Right2	O	O	X	X	X	X	X	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Part Volume Song	O	O	X	X	X	X	X	–	O	Volume	X	X	X	X	–	–	
Part Volume Style	O	O	X	X	X	X	X	–	X	–	O	X	X	O	Style	–	
PanPot																	
Offset PanPot Song	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Offset PanPot Style	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Style	–	
PanPot M.Pad	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Multi Pad	–	
PanPot Mic		O	X	X	X	X	X	–	O	Mic.Setting	X	X	X	O	Mic	Mic.Setting	
PanPot Left	O	O	X	X	X	X	X	–	O	Keyboard Voice	X	O	X	O	Style	–	
PanPot Right1	O	O	X	X	X	X	X	–	O	Keyboard Voice	X	O	X	O	Voice	–	
PanPot Right2	O	O	X	X	X	X	X	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Part PanPot Song	O	O	X	X	X	X	X	–	O	Pan	X	X	X	X	–	–	
Part PanPot Style	O	O	X	X	X	X	X	–	X	–	O	X	X	O	Style	–	
Voice																	
Voice (Right1)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Voice (Right2)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Voice (Left)	O	O	X	X	X	X	O	–	O	Keyboard Voice	X	O	X	O	Style	–	
Voice (Style Part)	O	O	X	X	X	X	X	–	X	–	O	X	X	O	Style	–	
Voice (Song Part)	O	O	X	X	X	X	X	–	O	Voice	X	X	X	X	–	–	
Auto Revoice																	
Auto Revoice On/Off	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Auto Revoice Setup	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Main > Mixing Console > Filter																	
Brightness																	
Brightness Song Part	O	O	X	X	X	X	X	–	O	Filter	X	X	X	X	–	–	
Brightness Style Part	O	O	X	X	X	X	X	–	X	–	O	X	X	O	Style	–	
Brightness Right1	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Brightness Right2	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Brightness Left	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Style	–	
Harmonic Content																	
Harmonic Content Song Part	O	O	X	X	X	X	X	–	O	Filter	X	X	X	X	–	–	
Harmonic Content Style Part	O	O	X	X	X	X	X	–	X	–	O	X	X	O	Style	–	
Harmonic Content Right1	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Harmonic Content Right2	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Harmonic Content Left	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Style	–	
Main > Mixing Console > Tune																	
Octave																	
Octave Right1	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Octave Right2	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Octave Left	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Style	–	
Tune																	
Tune Right1	O	O	X	X	X	X	X	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Tune Right2	O	O	X	X	X	X	X	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Tune Left	O	O	X	X	X	X	X	–	O	Keyboard Voice	X	O	X	O	Style	–	
Portamento Time																	
Portamento Time Right1	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Portamento Time Right2	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Voice	–	
Portamento Time Left	O	O	X	X	X	X	O	Voice	O	Keyboard Voice	X	O	X	O	Style	–	
Pitch Bend Range																	
Pitch Bend Range Right1	O	O	X	X	X	X	X	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Pitch Bend Range Right2	O	O	X	X	X	X	X	–	O	Keyboard Voice	X	O	X	O	Voice	–	
Pitch Bend Range Left	O	O	X	X	X	X	X	–	O	Keyboard Voice	X	O	X	O	Style	–	
Transpose																	
Master Transpose	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Tune Trans	–	
Song Transpose	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Tune Trans	–	
Keyboard Transpose	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Tune Trans	–	
Main > Mixing Console > EQ																	
MasterEQ Type	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	Master EQ	
MasterEQ Parameter	O	O	X	X	O	X	X	–	X	–	X	X	X	X	–	Master EQ	
EQ Low Gain																	
EQ Low Gain Style Part	O	O	X	X	X	X	X	–	X	–	O	X	X	O	Style	–	
EQ Low Gain Song Part	O	O	X	X	X	X	X	–	O	EQ	X	X	X	X	–	–	
EQ Low Gain Multi Pad	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Multi Pad	–	
EQ Low Gain Right1	O	O	X	X	X	X	O	EQ	O	Keyboard Voice	X	O	X	O	Voice	–	
EQ Low Gain Right2	O	O	X	X	X	X	O	EQ	O	Keyboard Voice	X	O	X	O	Voice	–	
EQ Low Gain Left	O	O	X	X	X	X	O	EQ	O	Keyboard Voice	X	O	X	O	Style	–	
EQ Low Gain Style (Offset)	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Style	–	
EQ Low Gain Song (Offset)	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	

Parameter	PSR-S700	PSR-S900	System				Voice	Voice Set Group	Song		Style		Multi Pad	Registration		Param Lock Group	Note
			Setup	MIDI Setup	User Effect	Music Finder				Song Setup Group	Style	OTS		Regist	Freeze Group		
EQ High Gain																	
EQ High Gain Style Part	O	O	X	X	X	X	X	–	X	–	O	X	X	O	Style	–	
EQ High Gain Song Part	O	O	X	X	X	X	X	–	O	EQ	X	X	X	X	–	–	
EQ High Gain Multi Pad	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Multi Pad	–	
EQ High Gain Right1	O	O	X	X	X	X	O	EQ	O	Keyboard Voice	X	O	X	O	Voice	–	
EQ High Gain Right2	O	O	X	X	X	X	O	EQ	O	Keyboard Voice	X	O	X	O	Voice	–	
EQ High Gain Left	O	O	X	X	X	X	O	EQ	O	Keyboard Voice	X	O	X	O	Style	–	
EQ High Gain Style (Offset)	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Style	–	
EQ High Gain Song (Offset)	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Main > Mixing Console > Effect																	
Reverb Type																	
Reverb Type	O	O	X	X	X	X	X	–	O	Effect	O	X	X	O	Style/Song	Reverb Type	
Reverb Return Level	O	O	X	X	X	X	X	–	O	Effect	O	X	X	O	Style/Song	Reverb Return Level	
Reverb Depth																	
Reverb Depth Style Part	O	O	X	X	X	X	X	–	X	–	O	X	X	O	Style	–	
Reverb Depth Song Part	O	O	X	X	X	X	X	–	O	Effect	X	X	X	X	–	–	
Reverb Depth Multi Pad	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Multi Pad	–	
Reverb Depth Mic		O	X	X	X	X	X	–	O	Mic.Setting	X	X	X	O	Mic	Mic.Setting	
Reverb Depth Right1	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Voice	–	
Reverb Depth Right2	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Voice	–	
Reverb Depth Left	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Style	–	
Reverb Depth Style (Offset)	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Style	–	
Reverb Depth Song (Offset)	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Chorus Type																	
Chorus Type	O	O	X	X	X	X	X	–	O	Effect	O	X	X	O	Style/Song	–	
Chorus Return Level	O	O	X	X	X	X	X	–	O	Effect	O	X	X	O	Style/Song	Chorus Return Level	
Chorus Depth																	
Chorus Depth Style Part	O	O	X	X	X	X	X	–	X	–	O	X	X	O	Style	–	
Chorus Depth Song Part	O	O	X	X	X	X	X	–	O	Effect	X	X	X	X	–	–	
Chorus Depth Multi Pad	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Multi Pad	–	
Chorus Depth Mic		O	X	X	X	X	X	–	O	Mic.Setting	X	X	X	O	Mic	Mic.Setting	
Chorus Depth Right1	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Voice	–	
Chorus Depth Right2	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Voice	–	
Chorus Depth Left	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Style	–	
Chorus Depth Style (Offset)	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Style	–	
Chorus Depth Song (Offset)	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
DSP Type																	
DSP1 (Variation) Type	O	O	X	X	X	X	X	–	O	Effect	O	X	X	O	Style/Song	–	
DSP1 (Variation) Return Level	O	O	X	X	X	X	X	–	O	Effect	O	X	X	O	Style/Song	DSP1 Return Level	
DSP2Type	O	O	X	X	X	X	X	–	O	Effect	X	X	X	O	Voice/Style/ Song	–	
DSP3Type	O	O	X	X	X	X	X	–	O	Effect	X	X	X	O	Voice/Style/ Song	–	
DSP4Type		O	X	X	X	X	X	–	O	Effect/Mic	X	X	X	O	Voice/Style/ Song/Mic	Mic.Setting	
DSP4Type	O		X	X	X	X	X	–	O	Effect	X	X	X	O	Voice/Style/ Song	–	
DSP Depth																	
DSP Depth Style Part	O	O	X	X	X	X	X	–	X	–	O	X	X	O	Style	–	
DSP Depth Song Part	O	O	X	X	X	X	X	–	O	Effect	X	X	X	X	–	–	
DSP Depth Right1	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Voice	–	
DSP Depth Right2	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Voice	–	
DSP Depth Left	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Style	–	
DSP Depth Mic		O	X	X	X	X	X	–	O	Mic.Setting	X	X	X	O	Mic	–	
InsertionType																	
Ins.Type (Right1)	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Voice	–	
Ins.Type (Right2)	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Voice	–	
Ins.Type (Left)	O	O	X	X	X	X	O	Effect	O	Keyboard Voice	X	O	X	O	Style	–	
Ins.Type (Song)	O	O	X	X	X	X	X	–	O	Effect	X	X	X	X	–	–	
Ins.Type (Mic)		O	X	X	X	X	X	–	O	Mic.Setting	X	X	X	O	Mic	Mic Setting	
Effect Parameter (Reverb/Chorus/DSP1-4)	O		X	X	O	X	X	–	O	Effect	X	X	X	X	–		
Effect Parameter (Reverb/Chorus/DSP1-3)		O	X	X	O	X	X	–	O	Effect	X	X	X	X	–		
Effect Parameter (DSP4)		O	X	X	O	X	X	–	O	Mic.Setting	X	X	X	X	–	Mic Setting	
Main > Channel > Channel OnOffPopup																	
ChannelOnOff (Song)	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Song	–	
ChannelOnOff (Style)	O	O	X	X	X	X	X	–	X	–	O	X	X	O	Style	–	
MIDI																	
MIDI Template																	
Template No.	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Preset Template Name	O	O	X	O	X	X	X	–	X	–	X	X	X	X	–	–	

Parameter	PSR-S700	PSR-S900	System				Voice	Voice Set Group	Song		Style		Multi Pad	Registration		Param Lock Group	Note
			Setup	MIDI Setup	User Effect	Music Finder				Song Setup Group	Style	OTS		Regist	Freeze Group		
Menu > Function > MIDI																	
System																	
Local Control	O	O	X	O	X	X	X	–	X	–	X	X	X	X	–	–	
Clock	O	O	X	O	X	X	X	–	X	–	X	X	X	X	–	–	
Transmit Clock	O	O	X	O	X	X	X	–	X	–	X	X	X	X	–	–	
Receive Transpose	O	O	X	O	X	X	X	–	X	–	X	X	X	X	–	–	
Receive Start/Stop	O	O	X	O	X	X	X	–	X	–	X	X	X	X	–	–	
SysEx Transmit	O	O	X	O	X	X	X	–	X	–	X	X	X	X	–	–	
SysEx Receive	O	O	X	O	X	X	X	–	X	–	X	X	X	X	–	–	
Chord SysEx Transmit	O	O	X	O	X	X	X	–	X	–	X	X	X	X	–	–	
Chord SysEx Receive	O	O	X	O	X	X	X	–	X	–	X	X	X	X	–	–	
Transmit																	
Part Select	O	O	X	O	X	X	X	–	X	–	X	X	X	X	–	–	
Ch (for each part)	O	O	X	O	X	X	X	–	X	–	X	X	X	X	–	–	
Filter (for each part)	O	O	X	O	X	X	X	–	X	–	X	X	X	X	–	–	
Receive																	
CH Select	O	O	X	O	X	X	X	–	X	–	X	X	X	X	–	–	
Part Select	O	O	X	O	X	X	X	–	X	–	X	X	X	X	–	–	
Filter (for each channel)	O	O	X	O	X	X	X	–	X	–	X	X	X	X	–	–	
Bass (On Bass Note)																	
Bass (On Bass Note)	O	O	X	O	X	X	X	–	X	–	X	X	X	X	–	–	
Chord Detect																	
Chord Detect	O	O	X	O	X	X	X	–	X	–	X	X	X	X	–	–	
Menu > Function > Mater Tune/Scale Tune																	
Master Tune																	
MasterTune	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Scale Tune																	
Scale	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Scale	–	
Tune	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Scale	–	
BaseNote	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Scale	–	
Part Select (Right1/Right2, Left, Style, Multi Pad)	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Scale	–	
Menu > Function > Controller																	
Foot Pedal																	
PedalFunction	O	O	X	X	X	X	X	X	X	X	X	X	X	O	Pedal	–	
PedalSettings	O	O	X	X	X	X	X	X	X	X	X	X	X	O	Pedal	–	
PedalPolarity	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Keyboard/Panel																	
Initial Touch	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Initial TouchOffLevel	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Voice	–	
Initial Touch Part OnOff	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Voice	–	
ModulationWheelPartOnOff	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Voice	–	
TransposeAssign	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Menu > Function > Regist.Sequence/Freeze/VoiceSet																	
Regist Sequence																	
RegistSequenceData	O	O	X	X	X	X	X	–	X	–	X	X	X	O	–	–	Memorized as a single Registration Bank file.
RegistSequenceEnable	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Regist (+) Pedal	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Regist (-) Pedal	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
SequenceEnd	O	O	X	X	X	X	X	–	X	–	X	X	X	O	–	–	Memorized as a single Registration Bank file.
Freeze Group																	
FreezeGroupSetting	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
VoiceSet																	
VoiceSet Group Right1 OnOff	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
VoiceSet Group Right2 OnOff	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
VoiceSet Group Left OnOff	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Menu > Function > Harmony/Echo																	
Type	O	O	X	X	X	X	O	Harmony	O	Keyboard Voice	X	O	X	O	Harmony	–	
Volume	O	O	X	X	X	X	O	Harmony	O	Keyboard Voice	X	O	X	O	Harmony	–	
Speed	O	O	X	X	X	X	O	Harmony	O	Keyboard Voice	X	O	X	O	Harmony	–	
Assign	O	O	X	X	X	X	O	Harmony	O	Keyboard Voice	X	O	X	O	Harmony	–	
ChordNoteOnly	O	O	X	X	X	X	O	Harmony	O	Keyboard Voice	X	O	X	O	Harmony	–	
TouchLimit	O	O	X	X	X	X	O	Harmony	O	Keyboard Voice	X	O	X	O	Harmony	–	
Menu > Function > Screen Out																	
ScreenContent		O	O	X	X	X	X	–	X	–	X	X	X	X	–		Cannot be reset with Factory Reset.
Menu > Function > Utility																	
Configration1																	
FadeInTime	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
FadeOutTIme	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
FadeOutHoldTime	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
MetronomeVolume	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
MetronomeSound	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
TimeSignature	O	O	X	X	X	X	X	–	O	–	O	X	X	X	–	–	
ParameterLock	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
TapCountPercussion	O	O	X	X	X	X	X	–	O	Keyboard Voice	X	O	X	O	Style	–	
TapCountVelocity	O	O	X	X	X	X	X	–	O	Keyboard Voice	X	O	X	O	Style	–	

Parameter	PSR-S700	PSR-S900	System				Voice	Voice Set Group	Song		Style		Multi Pad	Registration		Param Lock Group	Note
			Setup	MIDI Setup	User Effect	Music Finder				Song Setup Group	Style	OTS		Regist	Freeze Group		
Configration2																	
LCD Brightness	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	Cannot be reset with Factory Reset.
DisplayVoiceNumber	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
VoiceCategory Button Options	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Display Style Tempo	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Popup Display Time	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
ScreenOut																	
Monitor Type		O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	Cannot be reset with Factory Reset.
Media																	
SongAutoOpen	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
Owner																	
Language	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	Cannot be reset with Factory Reset.
OwnerName	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	Cannot be reset with Factory Reset.
SystemReset																	
FactoryResetSetting	O		X	X	X	X	X	–	X	–	X	X	X	X	–	–	Language, and Owner Name Data are not reset.
FactoryResetSetting		O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	Language, Owner Name, and Video Out related parameters are not reset.
Registration																	
FreezeOnOff (Panel SW)	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
RegistMemory Contents	O	O	O	X	X	X	X	–	X	–	X	X	X	X	–	–	
RegistNumber	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
RegistContentsName	O	O	X	X	X	X	X	–	X	–	X	X	X	O	–	–	
OTS																	
OTSNumber	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Menu > Demo																	
None	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Master Volume Fade In/Out																	
Fade in/out	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Metronome																	
StartStop	O	O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	
Transpose																	
Transpose	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Tune/Trans	–	
Upper Octave																	
UpperOctave	O	O	X	X	X	X	X	–	X	–	X	X	X	O	Voice	–	
REC To USB																	
Audio Player File		O	X	X	X	X	X	–	X	–	X	X	X	X	–	–	

MIDI Data Format / MIDI-Datenformat / Format des données MIDI / Formato de datos MIDI

Many MIDI messages listed in the MIDI Data Format are expressed in decimal numbers, binary numbers and hexadecimal numbers. Hexadecimal numbers may include the letter “H” as a suffix. Also, “n” can freely be defined as any whole number.
To enter data/values, refer to the table below.

Decimal	Hexadecimal	Binary
0	00	0000 0000
1	01	0000 0001
2	02	0000 0010
3	03	0000 0011
4	04	0000 0100
5	05	0000 0101
6	06	0000 0110
7	07	0000 0111
8	08	0000 1000
9	09	0000 1001
10	0A	0000 1010
11	0B	0000 1011
12	0C	0000 1100
13	0D	0000 1101
14	0E	0000 1110
15	0F	0000 1111
16	10	0001 0000
17	11	0001 0001
18	12	0001 0010
19	13	0001 0011
20	14	0001 0100
21	15	0001 0101
22	16	0001 0110
23	17	0001 0111
24	18	0001 1000
25	19	0001 1001
26	1A	0001 1010
27	1B	0001 1011
28	1C	0001 1100
29	1D	0001 1101
30	1E	0001 1110
31	1F	0001 1111

Decimal	Hexadecimal	Binary
32	20	0010 0000
33	21	0010 0001
34	22	0010 0010
35	23	0010 0011
36	24	0010 0100
37	25	0010 0101
38	26	0010 0110
39	27	0010 0111
40	28	0010 1000
41	29	0010 1001
42	2A	0010 1010
43	2B	0010 1011
44	2C	0010 1100
45	2D	0010 1101
46	2E	0010 1110
47	2F	0010 1111
48	30	0011 0000
49	31	0011 0001
50	32	0011 0010
51	33	0011 0011
52	34	0011 0100
53	35	0011 0101
54	36	0011 0110
55	37	0011 0111
56	38	0011 1000
57	39	0011 1001
58	3A	0011 1010
59	3B	0011 1011
60	3C	0011 1100
61	3D	0011 1101
62	3E	0011 1110
63	3F	0011 1111

Decimal	Hexadecimal	Binary
64	40	0100 0000
65	41	0100 0001
66	42	0100 0010
67	43	0100 0011
68	44	0100 0100
69	45	0100 0101
70	46	0100 0110
71	47	0100 0111
72	48	0100 1000
73	49	0100 1001
74	4A	0100 1010
75	4B	0100 1011
76	4C	0100 1100
77	4D	0100 1101
78	4E	0100 1110
79	4F	0100 1111
80	50	0101 0000
81	51	0101 0001
82	52	0101 0010
83	53	0101 0011
84	54	0101 0100
85	55	0101 0101
86	56	0101 0110
87	57	0101 0111
88	58	0101 1000
89	59	0101 1001
90	5A	0101 1010
91	5B	0101 1011
92	5C	0101 1100
93	5D	0101 1101
94	5E	0101 1110
95	5F	0101 1111

Decimal	Hexadecimal	Binary
96	60	0110 0000
97	61	0110 0001
98	62	0110 0010
99	63	0110 0011
100	64	0110 0100
101	65	0110 0101
102	66	0110 0110
103	67	0110 0111
104	68	0110 1000
105	69	0110 1001
106	6A	0110 1010
107	6B	0110 1011
108	6C	0110 1100
109	6D	0110 1101
110	6E	0110 1110
111	6F	0110 1111
112	70	0111 0000
113	71	0111 0001
114	72	0111 0010
115	73	0111 0011
116	74	0111 0100
117	75	0111 0101
118	76	0111 0110
119	77	0111 0111
120	78	0111 1000
121	79	0111 1001
122	7A	0111 1010
123	7B	0111 1011
124	7C	0111 1100
125	7D	0111 1101
126	7E	0111 1110
127	7F	0111 1111

- Except the table above, for example 144-159 (decimal)/9nH/1001 0000-1001 1111 (binary) denotes the Note On Message for each channel (1-16). 176-191/BnH/1011 0000-1011 1111 denotes the Control Change Message for each channel (1-16). 192-207/CnH/ 1100 0000-1100 1111 denotes the Program Change Message for each channel (1-16). 240/F0H/1111 0000 denotes the start of a System Exclusive Message. 247/F7H/1111 0111 denotes the end of a System Exclusive Message.
- aaH (hexadecimal)/0aaaaaaa (binary) denotes the data address. The address contains High, Mid, and Low.
- bbH/0bbbbbbb denotes the byte count.
- ccH/0ccccccc denotes the check sum.
- ddH/0ddddddd denotes the data/value.

MIDI CHANNEL MESSAGE (1)

MIDI Events	Status byte		1st Data byte			2nd Data byte			Voice		[MIDI] MIDI Reception					MIDI Transmission					[Song Creator] PLAY		REC
	Status		Data	(HEX)	Parameter	Data	(HEX)	Parameter	Regular/ Drum/ Natural/ Organ Voice	Mic/Vocal Harmony	Song	Right1/ Right2/ Left	Keyboard	Style	Extra	Right1/ Right2/ Left	M.Pad	Style	Song	Upper Lower	PLAY	REW	From panel (Right1/ Right2/ Left)
Key Off [GM1] [GM2]	8nH	(n: Channel Number)	kk		Key no. (0-127)	vv		Velocity (0-127)	O	O (Harmony Channel/ Melody Channel)	O	O	O	O	O	X	X	O	O	X	O	X	X
Key On [GM1] [GM2]	9nH	(n: Channel Number)	kk		Key no. (0-127)	vv		Key On: vv=1-127 Key Off: vv=0	O	O (Harmony Channel/ Melody Channel)	O	O	O	O	O	●	O	O	O	●	O	X	O
Control Change	BnH		0	(00H)	Bank Select MSB [GM2]	0 8 8 64 120 121 126 127	(00H) (08H) (08H) (40H) (78H) (79H) (7EH) (7FH)	Normal Mega Voice SA Voice SFX Voice GM2 Rhythm GM2 Normal SFX Kit Drum Kit	O	X	O	O	O (Right1)	O	O	●	O	●	●	X	O	O	O
			1	(01H)	Modulation [GM1] [GM2]	0-127	(00H...7FH)	Data	O	X	O	O	O (All Keyboard parts)	O	O	●	O	O	O	●	O	O	O
			5	(05H)	Portamento Time [GM2]	0-127	(00H...7FH)	Data	O (Except Organ Flutes)	X	O	O	O (All Keyboard parts)	X	O	●	O	X	O	X	O	O	O
			6	(06H)	Data Entry MSB [GM2]	0-127	(00H...7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O (All Keyboard parts)	O	O	●	O	O	O	X	O	X	O
			7	(07H)	Main Volume [GM1] [GM2]	0-127	(00H...7FH)	Data	O	O (A/D Part Receive Channel)	O	O	O (All Keyboard parts)	O	O	●	O	●	●	X	O	O	O
			10	(0AH)	Panpot [GM1] [GM2]	0-127	(00H...7FH)	L64...C...R63	O	O (A/D Part Receive Channel)	O	O	O (All Keyboard parts)	O	O	●	O	●	●	X	O	O	O
			11	(0BH)	Expression [GM1] [GM2]	0-127	(00H...7FH)	Data	O	X	O	O	O (All Keyboard parts)	O	O	●	●	●	●	●	O	O	O
			32	(20H)	Bank Select LSB [GM2]	0-127	(00H...7FH)	Data	O	X	O	O	O (Right1)	O	O	●	O	●	●	X	O	O	O
			38	(26H)	Data Entry LSB [GM2]	0-127	(00H...7FH)	Data	O	X	O	O	O (All Keyboard parts)	X	O	●	O	X	O	X	O	X	O
			64	(40H)	Sustain (Damper) [GM1] [GM2]	0-127	(00H...7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O (All Keyboard parts)	X	O	●	O	X	O	●	O	O	O
			65	(41H)	Portamento [GM2]	0-127	(00H...7FH)	0...63, 64...127 (OFF, ON)	O (Except Natural Piano, Organ Flutes)	X	O	O	O (All Keyboard parts)	X	O	●	O	X	O	●	O	O	O
			66	(42H)	Sostenuto [GM2]	0-127	(00H...7FH)	0...63, 64...127 (OFF, ON)	O	X	O	O	O (All Keyboard parts)	X	O	●	O	X	O	●	O	O	O
			67	(43H)	Soft Pedal [GM2]	0-127	(00H...7FH)	0...63, 64...127 (OFF, ON)	O	X	O	O	O (All Keyboard parts)	X	O	●	O	X	O	●	O	O	O
			71	(47H)	Harmonic Content [GM2]	0-127	(00H...7FH)	-64...0...+63	O	X	O	O	O (All Keyboard parts)	O	O	●	O	●	●	X	O	O	O
			72	(48H)	Release Time [GM2]	0-127	(00H...7FH)	-64...0...+63	O	X	O	O	O (All Keyboard parts)	O	O	●	O	O	O	X	O	O	O
			73	(49H)	Attack Time [GM2]	0-127	(00H...7FH)	-64...0...+63	O	X	O	O	O (All Keyboard parts)	O	O	●	O	O	O	X	O	O	O
			74	(4AH)	Brightness [GM2]	0-127	(00H...7FH)	-64...0...+63	O	X	O	O	O (All Keyboard parts)	O	O	●	O	●	●	X	O	O	O
			75	(4BH)	Decay Time [GM2]	0-127	(00H...7FH)	-64...0...+63	O	X	O	O	O (All Keyboard parts)	O	O	X	X	X	O	X	O	O	X
			76	(4CH)	Vibrato Rate [GM2]	0-127	(00H...7FH)	-64...0...+63	O	X	O	O	O (All Keyboard parts)	O	O	X	X	X	O	X	O	O	X
			77	(4DH)	Vibrato Depth [GM2]	0-127	(00H...7FH)	-64...0...+63	O	X	O	O	O (All Keyboard parts)	O	O	X	X	X	O	X	O	O	X
			78	(4EH)	Vibrato Delay [GM2]	0-127	(00H...7FH)	-64...0...+63	O	X	O	O	O (All Keyboard parts)	O	O	X	X	X	O	X	O	O	X
			84	(54H)	Portamento Control	0-127	(00H...7FH)	Key no. (0-127)	O	X	O	O	X	O	O	O	O	●	O	X	O	X	O
			91	(5BH)	Effect1 Depth (Reverb Send Level) [GM2]	0-127	(00H...7FH)	Data	O	O (A/D Part Receive Channel)	O	O	O (All Keyboard parts)	O	O	●	●	●	●	X	O	O	O
			93	(5DH)	Effect3 Depth (Chorus Send Level) [GM2]	0-127	(00H...7FH)	Data	O	O (A/D Part Receive Channel)	O	O	O (All Keyboard parts)	O	O	●	●	●	●	X	O	O	O
			94	(5EH)	Effect4 Depth (Variation Send Level)	0-127	(00H...7FH)	Data	O	X	O	O	O (All Keyboard parts)	O	O	O	O	●	●	X	O	O	X Multi Part Record-ing

MIDI Data Format / MIDI-Datenformat / Format des données MIDI / Formato de datos MIDI

[MIDI] [Song Creator]

MIDI Events	Status byte		1st Data byte			2nd Data byte			Voice		MIDI Reception					MIDI Transmission					PLAY		REC
	Status		Data	(HEX)	Parameter	Data	(HEX)	Parameter	Regular/ Drum/ Natural/ Organ Voice	Mic/Vocal Harmony	Song	Right1/ Right2/ Left	Keyboard	Style	Extra	Right1/ Right2/ Left	M.Pad	Style	Song	Upper Lower	PLAY	REW	From panel (Right1/ Right2/ Left)
			96	(60H)	RPN Increment	-	-	The data byte is ignored.	O	O (Harmony Channel/ Melody Channel)	O	O	X	O	O	X	O	X	O	X	O	X	X
			97	(61H)	RPN Decrement	-	-	The data byte is ignored.	O	O (Harmony Channel/ Melody Channel)	O	O	X	O	O	X	O	X	O	X	O	X	X
			98	(62H)	NRPN LSB	0-127	(00H...7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	X	O	O	●	O	O	O	X	O	O	O
			99	(63H)	NRPN MSB	0-127	(00H...7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	X	O	O	●	O	O	O	X	O	O	O
			100	(64H)	RPN LSB [GM2]	0-127	(00H...7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O (All Keyboard parts)	O	O	●	O	O	O	X	O	O	O
			101	(65H)	RPN MSB [GM2]	0-127	(00H...7FH)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O (All Keyboard parts)	O	O	●	O	O	O	X	O	O	O
Mode Message	BnH	(n: Channel Number)	120	(78H)	All Sound Off [GM2]	0	(00H)	Data	O	X	O	O	O (All Keyboard parts)	O	O	X	O	X	O	X	O	X	X
			121	(79H)	Reset All Controllers [GM1] [GM2]	0	(00H)	Data	O	X	O	X	X	X	X	X	O	X	O	X	O	X	X
			122	(7AH)	Local Control	0 127	(00H) (7FH)	OFF ON	-	-	O					X	X	X	X	X	X	X	X
			123	(7BH)	All Note Off [GM1] [GM2]	0	(00H)	Data	O	O (Harmony Channel/ Melody Channel)	O	O	O (All Keyboard parts)	O	O	X	O	X	O	X	O	X	X
			124	(7CH)	Omni Off [GM2]	0	(00H)	Data	O	X	O (*1)	X	X	X	X	X	O	X	O	X	O	X	X
			125	(7DH)	Omni On [GM2]	0	(00H)	Data	O	X	O (*2)	X	X	X	X	X	O	X	O	X	O	X	X
			126	(7EH)	Mono [GM2]	0-16	(00H...10H)	Data	O	X	O	X	X	X	X	X	O	X	O	X	O	X	X
			127	(7FH)	Poly [GM2]	0	(00H)	Data	O	X	O	X	X	X	X	X	O	X	O	X	O	X	X
Program Change [GM1] [GM2]	CnH	(n: Channel Number)	pp	(00H... 7FH)	Voice Number (0-127)	-	-	-	O	X	O	O	O (Right1)	O	O	●	O	●	●	X	O	O	O
Channel After Touch [GM1] [GM2]	DnH	(n: Channel Number)	vv	(00H... 7FH)	Data	-	-	-	O	X	O	O	O (All Keyboard parts)	X	O	X	O	X	O	X	O	X	O
Polyphonic After Touch	AnH	(n: Channel Number)	kk	(00H... 7FH)	Key no. (0-127)	vv	(00H...7FH)	Data	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
Pitch Bend Change [GM1] [GM2]	EnH	(n: Channel Number)	cc	(00H... 7FH)	LSB	dd	(00H...7FH)	MSB	O	O (Harmony Channel/ Melody Channel)	O	O	O (All Keyboard parts)	O	O	●	O	O	O	●	O	O	O
Realtime Message	F8H	MIDI Clock	-		-	-		-	-	-	O (Received when the Clock is set to MIDI, USB1, or USB2.)					O (Transmitted when the Clock is set to Internal and the Transmit Clock is set to on.)					-	-	-
	FAH	Start	-		-	-		-	-	-	O (Received when the Clock is set to MIDI, USB1, or USB2.)					O (Transmitted when the Transmit Clock is set to on.)					-	-	-
	FBH	Continue	-		-	-		-	-	-	X					X					-	-	-
	FCH	Stop	-		-	-		-	-	-	O (Received when the Clock is set to MIDI, USB1, or USB2.)					O (Transmitted when the Transmit Clock is set to on.)					-	-	-
	FEH	Active Sense [GM2]	-		-	-		-	-	-	O					O					-	-	-
	FFH	System Reset	-		-	-		-	-	-	X					X					-	-	-

●: Transmitted via panel operations and keyboard/controller performances.

About Mic/Vocal Harmony column:
(HarmonyChannel/Melody Channel): The relevant parameters are received by the song part designated by the Effect's Harmony Channel Parameter or Melody Channel Parameter.
(A/D Part Receive Channel): The relevant parameters are received by the song part designated by the XG's AD Part Receive Ch.

*1: Same operation as when receiving All Note Off.
*2: Same operation as when receiving All Note Off. OMNI ON is not enabled.

Mic./Vocal Harmony

PSR-S700	X
PSR-S900	O

SA (Super Articulation)

PSR-S700	X
PSR-S900	O

[GM1] ... GM Required Parameter
[GM2] ... GM Level 2 Required Parameter

MIDI CHANNEL MESSAGE (2)

NRPN

[MIDI] [Song Creator]

NRPN		Data Entry		Parameter	Data Range	Voice		MIDI Reception					MIDI Transmission					PLAY		REC
MSB	LSB	MSB	LSB			Regular/ Drum/ Natural/ Organ Voice	Mic/Vocal Harmony	Song	Right1/ Right2/ Left	Keyboard	Style	Extra	Right1/ Right2/ Left	M.Pad	Style	Song	Upper Lower	PLAY	REW	From panel (Right1/ Right2/ Left)
01H	08H	mmH	--	Vibrato Rate	mm: 00H-40H-7FH (-64...0...+63)	O	O (Harmony Channel/ Melody Channel)	O	O	X	O	O	●	O	O	O	X	O	O	O
01H	09H	mmH	--	Vibrato Depth	mm: 00H-40H-7FH (-64...0...+63)	O	O (Harmony Channel/ Melody Channel)	O	O	X	O	O	●	O	O	O	X	O	O	O
01H	0AH	mmH	--	Vibrato Delay	mm: 00H-40H-7FH (-64...0...+63)	O	O (Harmony Channel/ Melody Channel)	O	O	X	O	O	●	O	O	O	X	O	O	O
01H	20H	mmH	--	Low Pass Filter Cutoff Frequency	mm: 00H-40H-7FH (-64...0...+63)	O	X	O	X	X	O	X	X	O	X	O	X	O	O	X
01H	21H	mmH	--	Low Pass Filter Resonance	mm: 00H-40H-7FH (-64...0...+63)	O	X	O	X	X	O	X	X	O	X	O	X	O	O	X
01H	30H	mmH	--	EQ Bass Gain	mm: 00H-40H-7FH (-64...0...+63)	O	X	O	X	X	O	X	X	X	X	O	X	O	O	X
01H	31H	mmH	--	EQ Treble Gain	mm: 00H-40H-7FH (-64...0...+63)	O	X	O	X	X	O	X	X	X	X	O	X	O	O	X
01H	34H	mmH	--	EQ Bass Frequency	mm: 04H-28H (32...2.0k[Hz])	O	X	O	X	X	X	X	X	X	X	O	X	O	O	X
01H	35H	mmH	--	EQ Treble Frequency	mm: 1CH-3AH (500...16.0k[Hz])	O	X	O	X	X	X	X	X	X	X	O	X	O	O	X
01H	63H	mmH	--	EG Attack Time	mm: 00H-40H-7FH (-64...0...+63)	O	X	O	X	X	O	X	X	O	X	O	X	O	O	X
01H	64H	mmH	--	EG Decay Time	mm: 00H-40H-7FH (-64...0...+63)	O	X	O	O	X	O	O	●	O	O	O	X	O	O	O
01H	66H	mmH	--	EG Release	mm: 00H-40H-7FH (-64...0...+63)	O	X	O	X	X	O	X	X	O	X	O	X	O	O	X
14H	rrH	mmH	--	Drum Low Pass Filter Cutoff Frequency	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	O (Drum only)	X	O	X	X	X	X	X	X	O	O	X	O	X	X
15H	rrH	mmH	--	Drum Low Pass Filter Resonance	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	O (Drum only)	X	O	X	X	X	X	X	X	O	O	X	O	X	X
16H	rrH	mmH	--	Drum EG Attack Rate	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	O (Drum only)	X	O	X	X	X	X	X	X	O	O	X	O	X	X
17H	rrH	mmH	--	Drum EG Decay Rate	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	O (Drum only)	X	O	X	X	X	X	X	X	O	O	X	O	X	X
18H	rrH	mmH	--	Drum Pitch Coarse	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	O (Drum only)	X	O	X	X	X	X	X	X	O	O	X	O	X	X
19H	rrH	mmH	--	Drum Pitch Fine	rr: drum instrument note number mm: 00H-40H-7FH (-64...0...+63)	O (Drum only)	X	O	X	X	X	X	X	X	O	O	X	O	X	X
1AH	rrH	mmH	--	Drum Level	rr: drum instrument note number mm: 00H-7FH (0...127)	O (Drum only)	X	O	X	X	X	X	X	X	O	O	X	O	X	X
1CH	rrH	mmH	--	Drum Pan	rr: drum instrument note number mm: 00H, 01H-40H-7FH (RND, L63...C...R63)	O (Drum only)	X	O	X	X	X	X	X	X	O	O	X	O	X	X
1DH	rrH	mmH	--	Drum Reverb Send Level	rr: drum instrument note number mm: 00H-7FH (0...127)	O (Drum only)	X	O	X	X	X	X	X	X	O	O	X	O	X	X
1EH	rrH	mmH	--	Drum Chorus Send Level	rr: drum instrument note number mm: 00H-7FH (0...127)	O (Drum only)	X	O	X	X	X	X	X	X	O	O	X	O	X	X
1FH	rrH	mmH	--	Drum Variation Send Level	rr: drum instrument note number mm: 00H-7FH (0...127) (Variation Connection = SYSTEM) mm: 00H, 01H-7FH (OFF, ON) (Variation Connection = INSERTION)	O (Drum only)	X	O	X	X	X	X	X	X	O	O	X	O	X	X
30H	rrH	mmH	--	Drum EQ Bass Gain	rr: drum instrument note number mm: 00H-7FH (0...127)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
31H	rrH	mmH	--	Drum EQ Treble Gain	rr: drum instrument note number mm: 00H-7FH (0...127)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
34H	rrH	mmH	--	Drum EQ Bass Frequency	rr: drum instrument note number mm: 04H-28H (32...2.0k[Hz])	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
35H	rrH	mmH	--	Drum EQ Treble Frequency	rr: drum instrument note number mm: 1CH-3AH (500...16.0k[Hz])	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

●: Transmitted via panel operations and keyboard/controller performances.

NRPN MSB: 14H-1FH (for drums) message is accepted as long as the channel is set with a drum voice.
Data Entry LSB: Ignored.

NRPN (Vocal Harmony)

[MIDI] [Song Creator]

NRPN		Data Entry		Parameter	Data Range	Voice		MIDI Reception					MIDI Transmission					PLAY		REC
MSB	LSB	MSB	LSB			Regular/ Drum/ Natural/ Organ Voice	Mic/Vocal Harmony	Song	Right1/ Right2/ Left	Keyboard	Style	Extra	Right1/ Right2/ Left	M.Pad	Style	Song	Upper Lower	PLAY	REW	From panel (Right1/ Right2/ Left)
00H	00H	mmH	--	Harmony Mute	mm: 00H-3FH, 40H-7FH (Off, On)	X	O (Harmony Channel)	X	X	X	X	X	X	X	X	O	X	O	X	X
01H	1AH	mmH	--	Detune Modulation	mm: 00H-7FH (0...127)	X	O (Harmony Channel)	X	X	X	X	X	X	X	X	O	X	O	X	X
02H	10H	mmH	--	Harmony1 Volume	mm: 00H-7FH (0...127)	X	O (Harmony Channel)	X	X	X	X	X	X	X	X	●	X	O	X	X
02H	11H	mmH	--	Harmony2 Volume	mm: 00H-7FH (0...127)	X	O (Harmony Channel)	X	X	X	X	X	X	X	X	●	X	O	X	X
02H	12H	mmH	--	Harmony3 Volume	mm: 00H-7FH (0...127)	X	O (Harmony Channel)	X	X	X	X	X	X	X	X	●	X	O	X	X
02H	20H	mmH	--	Harmony1 Pan	mm: 00H, 01H-40H-7FH (RND, L63...C...R63)	X	O (Harmony Channel)	X	X	X	X	X	X	X	X	●	X	O	X	X
02H	21H	mmH	--	Harmony2 Pan	mm: 00H, 01H-40H-7FH (RND, L63...C...R63)	X	O (Harmony Channel)	X	X	X	X	X	X	X	X	●	X	O	X	X
02H	22H	mmH	--	Harmony3 Pan	mm: 00H, 01H-40H-7FH (RND, L63...C...R63)	X	O (Harmony Channel)	X	X	X	X	X	X	X	X	●	X	O	X	X
02H	30H	mmH	--	Harmony1 Detune	mm: 00H-40H-7FH (-64...0...+63)	X	O (Harmony Channel)	X	X	X	X	X	X	X	X	●	X	O	X	X
02H	31H	mmH	--	Harmony2 Detune	mm: 00H-40H-7FH (-64...0...+63)	X	O (Harmony Channel)	X	X	X	X	X	X	X	X	●	X	O	X	X
02H	32H	mmH	--	Harmony3 Detune	mm: 00H-40H-7FH (-64...0...+63)	X	O (Harmony Channel)	X	X	X	X	X	X	X	X	●	X	O	X	X

●: Transmitted via panel operations and keyboard/controller performances.
Message is sent to the Song Channel part set in MicSetting → Vocoder Control → Song Channel.

Data Entry LSB: Ignored.

MIDI Data Format / MIDI-Datenformat / Format des données MIDI / Formato de datos MIDI

RPN [MIDI] [Song Creator]

RPN		Data Entry		Parameter	Data Range	Voice		MIDI Reception					MIDI Transmission					PLAY		REC
MSB	LSB	MSB	LSB			Regular/Drum/ Natural/Organ Voice	Mic/Vocal Harmony	Song	Right1/ Right2/ Left	Keyboard	Style	Extra	Right1/ Right2/ Left	M.Pad	Style	Song	Upper Lower	PLAY	REW	From panel (Right1/ Right2/Left)
00H	00H	mmH	--	Pitch Bend Sensitivity [GM1] [GM2]	mm: 00H-18H (0...+24[semitones])	O	O (Harmony Channel/ Melody Channel)	O	O	O (All Keyboard parts)	O	O	●	O	O	O	X	O	O	O
00H	01H	mmH	llH	Fine Tune [GM1] [GM2]	mm ll: 00H 00H -100[cent] ... mm ll: 40H 00H 0[cent] ... mm ll: 7FH 7FH 100[cent]	O	X	O	O	O (All Keyboard parts)	O	O	●	O	O	O	X	O	O	O
00H	02H	mmH	--	Coarse Tune [GM1] [GM2]	mm: 28H-40H-58H (-24...0...+24[semitones])	O	X	O	O	O (All Keyboard parts)	O	O	X	O	O	O	X	O	O	X
00H	05H	mmH	llH	Modulation Sensitivity [GM2]	mm: Specified in semitone steps ll: Specified in 100/128 cent steps	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
7FH	7FH	--	--	Null [GM2]	-	O	O	O	O	O (All Keyboard parts)	O	O	X	O	O	O	X	O	X	X

●: Transmitted via panel operations and keyboard/controller performances.

About Mic/Vocal Harmony column:
The relevant parameters are received by the song part designated by the Effect's Harmony Channel Parameter or Melody Channel Parameter.

Mic./Vocal Harmony

PSR-S700	X
PSR-S900	O

[GM1] ... GM Required Parameter
[GM2] ... GM Level 2 Required Parameter

XG PARAMETER CHANGE TABLE

* Not received when Receive System Exclusive Message Parameters is set to off.
* Not transmitted when Transmit System Exclusive Message Parameters is set to off.

MIDI Parameter Change table (XG SYSTEM)

[MIDI] [Song Creator]

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Voice		MIDI Reception					MIDI Transmission					PLAY		REC
								Regular/ Drum/ Natural/ Organ Voice	Mic/ Vocal Harmony	Song	Right1/ Right2/ Left	Keyboard	Style	Extra	Right1/ Right2/ Left	M.Pad	Style	Song	Upper Lower	PLAY	REW	From panel (Right1/ Right2/ Left)
00	00	00 01 02 03	4	00-0F 00-0F 00-0F 00-0F	MASTER TUNE	-102.4...0...+102.3[cent] 1st bit3-0 -> bit15-12 2nd bit3-0 -> bit11-8 3rd bit3-0 -> bit7-4 4th bit3-0 -> bit3-0	*Panel setting value	O	O	O					●					O	X	X
		04	1	00-7F	MASTER VOLUME	0...127	7F	O	X	O (Available for extra parts of a song)					O					O	O	X
		05	1	00-7F	MASTER ATTENUATOR	0...127	00	X	X	X					X					X	X	X
		06	1	28-58	TRANSPOSE	-24...0...+24[semitones]	40	O	O	O (Available for extra parts of a song)					O					O	O	X
		7D	1	N	DRUM SETUP RESET	N: Drum setup number	-	O (Drum only)	X	O (Available for extra parts of a song)					O					O	X	X
		7E	1	00	XG SYSTEM ON	00=XG system ON	-	O	X	O (Available for extra parts of a song)					O					O	X	O
		7F	1	00	ALL PARAMETER RESET	00=ON	-	O	X	O (Available for extra parts of a song)					O					O	X	X

TOTAL SIZE 07
●: Transmitted via panel operations

MIDI Parameter Change table (SYSTEM INFORMATION)

[MIDI] [Song Creator]

Address (H)			Size (H)	Data (H)	Parameter	Description	Voice		MIDI Reception					MIDI Transmission					PLAY		REC
							Regular/ Drum/ Natural/ Organ Voice	Mic/ Vocal Harmony	Song	Right1/ Right2/ Left	Keyboard	Style	Extra	Right1/ Right2/ Left	M.Pad	Style	Song	Upper Lower	PLAY	REW	From panel (Right1/ Right2/ Left)
01	00	00 ... 0D 0E 0F	E 1 1	20-7F ... 20-7F	Model Name 1 ... Model Name 14 NOT USED NOT USED	32...127 (ASCII CHARACTER) ... 32...127 (ASCII CHARACTER)	-	-	-					O (Available only when receiving requests via MIDI)					-	-	-

TOTAL SIZE 10
Transmitted in response to Dump Request. Not received.

MIDI Parameter Change table (EFFECT1)

[MIDI] [Song Creator]

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Voice		MIDI Reception					MIDI Transmission					PLAY		REC
								Regular/ Drum/ Natural/ Organ Voice	Mic/ Vocal Harmony	Song	Right1/ Right2/ Left	Keyboard	Style	Extra	Right1/ Right2/ Left	M.Pad	Style	Song	Upper Lower	PLAY	REW	PFrom panel (Right1/ Right2/ Left)
02	01	00	2	00-7F 00-7F	REVERB TYPE MSB REVERB TYPE LSB	Refer to Effect Parameter List	01 (=HALL1) 00	O	O	O					●					O	O	O
		02	1	00-7F	REVERB PARAMETER 1		Depends on Reverb Type	O	O	O					●					O	O	O
		03	1	00-7F	REVERB PARAMETER 2		Depends on Reverb Type	O	O	O					●					O	O	O
		04	1	00-7F	REVERB PARAMETER 3		Depends on Reverb Type	O	O	O					●					O	O	O
		05	1	00-7F	REVERB PARAMETER 4		Depends on Reverb Type	O	O	O					●					O	O	O
		06	1	00-7F	REVERB PARAMETER 5		Depends on Reverb Type	O	O	O					●					O	O	O

[MIDI] [Song Creator]

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Voice: Regular/ Drum/ Natural/ Organ Voice	Voice: Mic/ Vocal Harmony	MIDI Reception: Song / Right1/ Right2/ Left / Keyboard / Style / Extra	MIDI Transmission: Right1/ Right2/ Left / M.Pad / Style / Song / Upper Lower	PLAY: PLAY	PLAY: REW	REC: PFrom panel (Right1/ Right2/ Left)
		07	1	00-7F	REVERB PARAMETER 6	Refer to Effect Parameter List	Depends on Reverb Type	O	O	O	●	O	O	O
		08	1	00-7F	REVERB PARAMETER 7		Depends on Reverb Type	O	O	O	●	O	O	O
		09	1	00-7F	REVERB PARAMETER 8		Depends on Reverb Type	O	O	O	●	O	O	O
		0A	1	00-7F	REVERB PARAMETER 9		Depends on Reverb Type	O	O	O	●	O	O	O
		0B	1	00-7F	REVERB PARAMETER 10		Depends on Reverb Type	O	O	O	●	O	O	O
		0C	1	00-7F	REVERB RETURN	-∞dB...0dB...+6dB (0...64...127)	40	O	O	O	●	O	O	O
		0D	1	01-7F	REVERB PAN	L63...C...R63	40	O	O	O	O	O	O	X

TOTAL SIZE 0E

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Voice: Regular/ Drum/ Natural/ Organ Voice	Voice: Mic/ Vocal Harmony	MIDI Reception	MIDI Transmission	PLAY: PLAY	PLAY: REW	REC
02	01	10	1	00-7F	REVERB PARAMETER 11	Refer to Effect Parameter List	Depends on Reverb Type	O	O	O	●	O	O	O
		11	1	00-7F	REVERB PARAMETER 12		Depends on Reverb Type	O	O	O	●	O	O	O
		12	1	00-7F	REVERB PARAMETER 13		Depends on Reverb Type	O	O	O	●	O	O	O
		13	1	00-7F	REVERB PARAMETER 14		Depends on Reverb Type	O	O	O	●	O	O	O
		14	1	00-7F	REVERB PARAMETER 15		Depends on Reverb Type	O	O	O	●	O	O	O
		15	1	00-7F	REVERB PARAMETER 16		Depends on Reverb Type	O	O	O	●	O	O	O

OTAL SIZE 06

●: Transmitted via panel operations

[MIDI] [Song Creator]

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Voice: Regular/ Drum/ Natural/ Organ Voice	Voice: Mic/ Vocal Harmony	MIDI Reception: Song / Right1/ Right2/ Left / Keyboard / Style / Extra	MIDI Transmission: Right1/ Right2/ Left / M.Pad / Style / Song / Upper Lower	PLAY: PLAY	PLAY: REW	REC: From panel (Right1/ Right2/ Left)
02	01	20	2	00-7F 00-7F	CHORUS TYPE MSB CHORUS TYPE LSB	Refer to Effect Parameter List	41 (=CHORUS1) 00	O	O	O	●	O	O	O
		22	1	00-7F	CHORUS PARAMETER 1		Depends on Chorus Type	O	O	O	●	O	O	O
		23	1	00-7F	CHORUS PARAMETER 2		Depends on Chorus Type	O	O	O	●	O	O	O
		24	1	00-7F	CHORUS PARAMETER 3		Depends on Chorus Type	O	O	O	●	O	O	O
		25	1	00-7F	CHORUS PARAMETER 4		Depends on Chorus Type	O	O	O	●	O	O	O
		26	1	00-7F	CHORUS PARAMETER 5		Depends on Chorus Type	O	O	O	●	O	O	O
		27	1	00-7F	CHORUS PARAMETER 6		Depends on Chorus Type	O	O	O	●	O	O	O
		28	1	00-7F	CHORUS PARAMETER 7		Depends on Chorus Type	O	O	O	●	O	O	O
		29	1	00-7F	CHORUS PARAMETER 8		Depends on Chorus Type	O	O	O	●	O	O	O
		2A	1	00-7F	CHORUS PARAMETER 9		Depends on Chorus Type	O	O	O	●	O	O	O
		2B	1	00-7F	CHORUS PARAMETER 10		Depends on Chorus Type	O	O	O	●	O	O	O
		2C	1	00-7F	CHORUS RETURN	-∞dB...0dB...+6dB (0...64...127)	40	O	O	O	●	O	O	O
		2D	1	01-7F	CHORUS PAN	L63...C...R63	40	O	O	O	O	O	O	X
		2E	1	00-7F	SEND CHORUS TO REVERB	-∞dB...0dB...+6dB (0...64...127)	00	O	O	O	O	O	O	X

TOTAL SIZE 0F

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Voice: Regular/ Drum/ Natural/ Organ Voice	Voice: Mic/ Vocal Harmony	MIDI Reception	MIDI Transmission	PLAY: PLAY	PLAY: REW	REC
02	01	30	1	00-7F	CHORUS PARAMETER 11	Refer to Effect Parameter List	Depends on Chorus Type	O	O	O	●	O	O	O
		31	1	00-7F	CHORUS PARAMETER 12		Depends on Chorus Type	O	O	O	●	O	O	O
		32	1	00-7F	CHORUS PARAMETER 13		Depends on Chorus Type	O	O	O	●	O	O	O
		33	1	00-7F	CHORUS PARAMETER 14		Depends on Chorus Type	O	O	O	●	O	O	O
		34	1	00-7F	CHORUS PARAMETER 15		Depends on Chorus Type	O	O	O	●	O	O	O
		35	1	00-7F	CHORUS PARAMETER 16		Depends on Chorus Type	O	O	O	●	O	O	O

TOTAL SIZE 06

[MIDI] [Song Creator]

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Voice: Regular/ Drum/ Natural/ Organ Voice	Voice: Mic/ Vocal Harmony	MIDI Reception: Song / Right1/ Right2/ Left / Keyboard / Style / Extra	MIDI Transmission: Right1/ Right2/ Left / M.Pad / Style / Song / Upper Lower	PLAY: PLAY	PLAY: REW	REC: From panel (Right1/ Right2/ Left)
02	01	40	2	00-7F 00-7F	VARIATION TYPE MSB VARIATION TYPE LSB	Refer to Effect Parameter List	05 (=DELAY L, C, R) 00	O	O	O	●	O	O	O
		42	2	00-7F 00-7F	VARIATION PARAMETER 1 MSB VARIATION PARAMETER 1 LSB		Depends on Variation Type	O	O	O	●	O	O	O
		44	2	00-7F 00-7F	VARIATION PARAMETER 2 MSB VARIATION PARAMETER 2 LSB		Depends on Variation Type	O	O	O	●	O	O	O
		46	2	00-7F 00-7F	VARIATION PARAMETER 3 MSB VARIATION PARAMETER 3 LSB		Depends on Variation Type	O	O	O	●	O	O	O
		48	2	00-7F 00-7F	VARIATION PARAMETER 4 MSB VARIATION PARAMETER 4 LSB		Depends on Variation Type	O	O	O	●	O	O	O
		4A	2	00-7F 00-7F	VARIATION PARAMETER 5 MSB VARIATION PARAMETER 5 LSB		Depends on Variation Type	O	O	O	●	O	O	O
		4C	2	00-7F 00-7F	VARIATION PARAMETER 6 MSB VARIATION PARAMETER 6 LSB		Depends on Variation Type	O	O	O	●	O	O	O
		4E	2	00-7F 00-7F	VARIATION PARAMETER 7 MSB VARIATION PARAMETER 7 LSB		Depends on Variation Type	O	O	O	●	O	O	O
		50	2	00-7F 00-7F	VARIATION PARAMETER 8 MSB VARIATION PARAMETER 8 LSB		Depends on Variation Type	O	O	O	●	O	O	O
		52	2	00-7F 00-7F	VARIATION PARAMETER 9 MSB VARIATION PARAMETER 9 LSB		Depends on Variation Type	O	O	O	●	O	O	O
		54	2	00-7F 00-7F	VARIATION PARAMETER 10 MSB VARIATION PARAMETER 10 LSB	Refer to Effect Parameter List	Depends on Variation Type	O	O	O	●	O	O	O

MIDI Data Format / MIDI-Datenformat / Format des données MIDI / Formato de datos MIDI

[MIDI] [Song Creator]

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Voice: Regular/ Drum/ Natural/ Organ Voice	Voice: Mic/ Vocal Harmony	MIDI Reception: Song / Right1/ Right2/ Left / Keyboard / Style / Extra	MIDI Transmission: Right1/ Right2/ Left / M.Pad / Style / Song / Upper Lower	PLAY: PLAY	PLAY: REW	REC: From panel (Right1/ Right2/ Left)
		56	1	00-7F	VARIATION RETURN	-∞dB...0dB...+6dB (0...64...127)	40	O	O	O	●	O	O	O
		57	1	01-7F	VARIATION PAN	L63...C...R63	40	O	O	O	O	O	O	X
		58	1	00-7F	SEND VARIATION TO REVERB	-∞dB...0dB...+6dB (0...64...127)	00	O	O	O	O	O	O	X
		59	1	00-7F	SEND VARIATION TO CHORUS	-∞dB...0dB...+6dB (0...64...127)	00	O	O	O	O	O	O	X
		5A	1	00-01	VARIATION CONNECTION	INSERTION, SYSTEM	00	O	O	O	●	O	O	O
		5B	1	00-7F	VARIATION PART NUMBER	Reception: Part1...16 (0...15) Transmission: Part1...16 (0...15) AD (64) OFF (127)	7F	O	O	O	●	O	O	O
		5C	1	00-7F	MW VARIATION CONTROL DEPTH	-64...0...+63	40	O	O	O	O	O	O	X
		5D	1	00-7F	BEND VARIATION CONTROL DEPTH	-64...0...+63	40	O	O	O	O	O	O	X
		5E	1	00-7F	CAT VARIATION CONTROL DEPTH	-64...0...+63	40	O	O	O	O	O	O	X
		5F	1	00-7F	AC1 VARIATION CONTROL DEPTH	-64...0...+63	40	O	O	O	O	O	O	X
		60	1	00-7F	AC2 VARIATION CONTROL DEPTH	-64...0...+63	40	O	O	O	O	O	O	X

TOTAL SIZE 21

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Voice: Regular/ Drum/ Natural/ Organ Voice	Voice: Mic/ Vocal Harmony	MIDI Reception	MIDI Transmission	PLAY	REW	From panel
02	01	70	1	00-7F	VARIATION PARAMETER 11	Refer to Effect Parameter List	Depends on Variation Type	O	O	O	●	O	O	O
		71	1	00-7F	VARIATION PARAMETER 12		Depends on Variation Type	O	O	O	●	O	O	O
		72	1	00-7F	VARIATION PARAMETER 13		Depends on Variation Type	O	O	O	●	O	O	O
		73	1	00-7F	VARIATION PARAMETER 14		Depends on Variation Type	O	O	O	●	O	O	O
		74	1	00-7F	VARIATION PARAMETER 15		Depends on Variation Type	O	O	O	●	O	O	O
		75	1	00-7F	VARIATION PARAMETER 16		Depends on Variation Type	O	O	O	●	O	O	O

TOTAL SIZE 06

●: Transmitted via panel operations.

MIDI Parameter Change table (MULTI EQ)

[MIDI] [Song Creator]

Address (H)			Size (H)	Data (H)	Parameter	Description		Voice: Regular/ Drum/ Natural/ Organ Voice	Voice: Mic/ Vocal Harmony	MIDI Reception: Song / Right1/ Right2/ Left / Keyboard / Style / Extra	MIDI Transmission: Right1/ Right2/ Left / M.Pad / Style / Song / Upper Lower	PLAY: PLAY	PLAY: REW	REC: From panel (Right1/ Right2/ Left)
02	40	00	1	00-04	EQ TYPE	flat, jazz, pops, rock, classic	*The MULTI EQ Parameter cannot be reset to its factory setting with XG SYSTEM ON.	O	O	O	O	O	X	X
		01	1	34-4C	EQ GAIN1	-12...0...+12[dB]		O	O	O	●	O	X	X
		02	1	04-28	EQ FREQUENCY1	32...2.0k[Hz]		O	O	O	●	O	X	X
		03	1	01-78	EQ Q1	0.1...12.0		O	O	O	●	O	X	X
		04	1	00-01	EQ SHAPE1	shelving, peaking		O	O	O	O	O	X	X
		05	1	34-4C	EQ GAIN2	-12...0...+12[dB]		O	O	O	●	O	X	X
		06	1	0E-36	EQ FREQUENCY2	100...10.0k[Hz]		O	O	O	●	O	X	X
		07	1	01-78	EQ Q2	0.1...12.0		O	O	O	●	O	X	X
		08	1		NOT USED			-	-	-	-	-	-	-
		09	1	34-4C	EQ GAIN3	-12...0...+12[dB]		O	O	O	●	O	X	X
		0A	1	0E-36	EQ FREQUENCY3	100...10.0k[Hz]		O	O	O	●	O	X	X
		0B	1	01-78	EQ Q3	0.1...12.0		O	O	O	●	O	X	X
		0C	1		NOT USED			-	-	-	-	-	-	-
		0D	1	34-4C	EQ GAIN4	-12...0...+12[dB]		O	O	O	●	O	X	X
		0E	1	0E-36	EQ FREQUENCY4	100...10.0k[Hz]		O	O	O	●	O	X	X
		0F	1	01-78	EQ Q4	0.1...12.0		O	O	O	●	O	X	X
		10	1		NOT USED			-	-	-	-	-	-	-
		11	1	34-4C	EQ GAIN5	-12...0...+12[dB]		O	O	O	●	O	X	X
		12	1	1C-3A	EQ FREQUENCY5	0.5k...16.0k[Hz]		O	O	O	●	O	X	X
		13	1	01-78	EQ Q5	0.1...12.0		O	O	O	●	O	X	X
		14	1	00-01	EQ SHAPE5	shelving, peaking		O	O	O	O	O	X	X

TOTAL SIZE 15

●: Transmitted via panel operations.

About PLAY column:
Not available when Function → Utility → Parameter Lock is checked.

MIDI Parameter Change table (EFFECT2)

[MIDI] [Song Creator]

Address (H)			Size (H)	Data (H)	Parameter	Description		Voice: Regular/ Drum/ Natural/ Organ Voice	Voice: Mic/ Vocal Harmony	MIDI Reception: Song / Right1/ Right2/ Left / Keyboard / Style / Extra	MIDI Transmission: Right1/ Right2/ Left / M.Pad / Style / Song / Upper Lower	PLAY: PLAY	PLAY: REW	REC: From panel (Right1/ Right2/ Left)
03	n	00	2	00-7F 00-7F	INSERTION EFFECT TYPE MSB INSERTION EFFECT TYPE LSB	Refer to Effect Parameter List	*The EFFECT 2 Parameter cannot be reset to its factory setting with XG SYSTEM ON.	O	O	O	●	O	O	O
		02	1	00-7F	INSERTION EFFECT PARAMETER 1			O	O	O	●	O	O	O
		03	1	00-7F	INSERTION EFFECT PARAMETER 2			O	O	O	●	O	O	O
		04	1	00-7F	INSERTION EFFECT PARAMETER 3			O	O	O	●	O	O	O
		05	1	00-7F	INSERTION EFFECT PARAMETER 4			O	O	O	●	O	O	O
		06	1	00-7F	INSERTION EFFECT PARAMETER 5			O	O	O	●	O	O	O
		07	1	00-7F	INSERTION EFFECT PARAMETER 6			O	O	O	●	O	O	O
		08	1	00-7F	INSERTION EFFECT PARAMETER 7			O	O	O	●	O	O	O
		09	1	00-7F	INSERTION EFFECT PARAMETER 8			O	O	O	●	O	O	O
		0A	1	00-7F	INSERTION EFFECT PARAMETER 9			O	O	O	●	O	O	O
		0B	1	00-7F	INSERTION EFFECT PARAMETER 10			O	O	O	●	O	O	O

[MIDI] [Song Creator]

Address (H)			Size (H)	Data (H)	Parameter	Description		Voice: Regular/ Drum/ Natural/ Organ Voice	Voice: Mic/ Vocal Harmony	MIDI Reception: Song / Right1/ Right2/ Left / Keyboard / Style / Extra	MIDI Transmission: Right1/ Right2/ Left / M.Pad / Style / Song / Upper Lower	PLAY: PLAY	PLAY: REW	REC: From panel (Right1/ Right2/ Left)
		0C	1	00-7F	INSERTION EFFECT PART NUMBER	Reception: Part1...16 (0...15) Transmission: Part1...16 (0...15) AD (64) OFF (127)		O	O	O	●	O	O	O
		0D	1	00-7F	MW INSERTION CONTROL DEPTH	-64...0...+63		O	O	O	O	O	O	X
		0E	1	00-7F	BEND INSERTION CONTROL DEPTH	-64...0...+63		O	O	O	O	O	O	X
		0F	1	00-7F	CAT INSERTION CONTROL DEPTH	-64...0...+63		O	O	O	O	O	O	X
		10	1	00-7F	AC1 INSERTION CONTROL DEPTH	-64...0...+63		O	O	O	O	O	O	X
		11	1	00-7F	AC2 INSERTION CONTROL DEPTH	-64...0...+63		O	O	O	O	O	O	X

TOTAL SIZE 12

Address (H)			Size (H)	Data (H)	Parameter	Description		Voice: Regular/ Drum/ Natural/ Organ Voice	Voice: Mic/ Vocal Harmony	MIDI Reception	MIDI Transmission	PLAY: PLAY	PLAY: REW	REC: From panel
		20	1	00-7F	INSERTION EFFECT PARAMETER 11	Refer to Effect Parameter List		O	O	O	●	O	O	O
		21	1	00-7F	INSERTION EFFECT PARAMETER 12			O	O	O	●	O	O	O
		22	1	00-7F	INSERTION EFFECT PARAMETER 13			O	O	O	●	O	O	O
		23	1	00-7F	INSERTION EFFECT PARAMETER 14			O	O	O	●	O	O	O
		24	1	00-7F	INSERTION EFFECT PARAMETER 15			O	O	O	●	O	O	O
		25	1	00-7F	INSERTION EFFECT PARAMETER 16			O	O	O	●	O	O	O

TOTAL SIZE 6

[MIDI] [Song Creator]

Address (H)			Size (H)	Data (H)	Parameter	Description		Voice: Regular/ Drum/ Natural/ Organ Voice	Voice: Mic/ Vocal Harmony	MIDI Reception: Song / Right1/ Right2/ Left / Keyboard / Style / Extra	MIDI Transmission: Right1/ Right2/ Left / M.Pad / Style / Song / Upper Lower	PLAY: PLAY	PLAY: REW	REC: From panel (Right1/ Right2/ Left)
		30	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 1 MSB INSERTION EFFECT PARAMETER 1 LSB	Refer to Effect Parameter List		O	O	O	●	O	O	O
		32	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 2 MSB INSERTION EFFECT PARAMETER 2 LSB			O	O	O	●	O	O	O
		34	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 3 MSB INSERTION EFFECT PARAMETER 3 LSB			O	O	O	●	O	O	O
		36	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 4 MSB INSERTION EFFECT PARAMETER 4 LSB			O	O	O	●	O	O	O
		38	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 5 MSB INSERTION EFFECT PARAMETER 5 LSB			O	O	O	●	O	O	O
		3A	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 6 MSB INSERTION EFFECT PARAMETER 6 LSB			O	O	O	●	O	O	O
		3C	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 7 MSB INSERTION EFFECT PARAMETER 7 LSB			O	O	O	●	O	O	O
		3E	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 8 MSB INSERTION EFFECT PARAMETER 8 LSB			O	O	O	●	O	O	O
		40	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 9 MSB INSERTION EFFECT PARAMETER 9 LSB			O	O	O	●	O	O	O
		42	2	00-7F 00-7F	INSERTION EFFECT PARAMETER 10 MSB INSERTION EFFECT PARAMETER 10 LSB			O	O	O	●	O	O	O

TOTAL SIZE 14

●: Transmitted via panel operations

The second byte of the address is considered as an Insertion effect number
n: insertion effect number

PSR-S700	n = 0~2
PSR-S900	n = 0~2

For effect types that do not require MSB, the Parameters for Address 02-0B will be received and the Parameters for Address 30-42 will not be received.
For effect types that require MSB, the Parameters for Address 30-42 will be received and the Parameters for Address 02-0B will not be received.
When bulk dumps that include Effect Type data are transmitted, the parameters for addresses 02-0B will always be transmitted.
For effects that require MSB however, when a bulk dump is received, the parameters for addresses 02-0B will not be received.

MIDI Parameter Change table (SPECIAL EFFECT)

PSR-S700	X
PSR-S900	O

[MIDI] [Song Creator]

Address (H)			Size (H)	Data (H)	Parameter	Description		Voice: Regular/ Drum/ Natural/ Organ Voice	Voice: Mic/ Vocal Harmony	MIDI Reception: Song / Right1/ Right2/ Left / Keyboard / Style / Extra	MIDI Transmission: Right1/ Right2/ Left / M.Pad / Style / Song / Upper Lower	PLAY: PLAY	PLAY: REW	REC: From panel (Right1/ Right2/ Left)
04	00	00	2	00-7F 00-7F	INSERTION EFFECT TYPE MSB INSERTION EFFECT TYPE LSB	Vocoder (89), Chordal (90), Detune (91), Chromatic (92), Thru (0...88, 93...127)	*The SPECIAL EFFECT Parameter cannot be reset to its factory setting with XG SYSTEM ON	X	O	O	●	O	O	X
		02	1	00-7F	INSERTION EFFECT PARAMETER 1 Harmony Mode			X	O	O	●	O	O	X
		03	1	00-7F	INSERTION EFFECT PARAMETER 2 Harmony Gender Type	Off (0), Auto (1)		X	O	O	●	O	O	X
		04	1	00-7F	INSERTION EFFECT PARAMETER 3 Lead Gender Type	Off (0), Unison (1), Male (2), Female (3)		X	O	O	●	O	O	X
		05	1	00-7F	INSERTION EFFECT PARAMETER 4 Lead Gender Depth	-64...0...+63 (0...127)		X	O	O	●	O	O	X
		06	1	00-7F	INSERTION EFFECT PARAMETER 5 Lead Pitch Correction	Free (0), Correct (1)		X	O	O	●	O	O	X
		07	1	00-7F	INSERTION EFFECT PARAMETER 6 Auto Upper Gender Threshold	0...12 (0...12)		X	O	O	●	O	O	X
		08	1	00-7F	INSERTION EFFECT PARAMETER 7 Auto Lower Gender Threshold	0...12 (0...12)		X	O	O	●	O	O	X
		09	1	00-7F	INSERTION EFFECT PARAMETER 8 Upper Gender Depth	-64...0...+63 (0...127)		X	O	O	●	O	O	X
		0A	1	00-7F	INSERTION EFFECT PARAMETER 9 Lower Gender Depth	-64...0...+63 (0...127)		X	O	O	●	O	O	X
		0B	1	00-7F	INSERTION EFFECT PARAMETER 10	L63>H...L=H...L<H63 (1...64...127)		X	O	O	●	O	O	X
		0C	1	00-7F	INSERTION EFFECT PART NUMBER	AD(64), OFF (0...63, 65...127)		X	O	O	●	O	O	O
		0D	1	00-7F	MW INSERTION CONTROL DEPTH	-64...0...+63		X	X	X	X	X	X	X
		0E	1	00-7F	BEND INSERTION CONTROL DEPTH	-64...0...+63		X	X	X	X	X	X	X
		0F	1	00-7F	CAT INSERTION CONTROL DEPTH	-64...0...+63		X	X	X	X	X	X	X

MIDI Data Format / MIDI-Datenformat / Format des données MIDI / Formato de datos MIDI

[MIDI] [Song Creator]

Address (H)			Size (H)	Data (H)	Parameter	Description		Voice		MIDI Reception					MIDI Transmission					PLAY		REC
								Regular/ Drum/ Natural/ Organ Voice	Mic/ Vocal Harmony	Song	Right1/ Right2/ Left	Keyboard	Style	Extra	Right1/ Right2/ Left	M.Pad	Style	Song	Upper Lower	PLAY	REW	From panel (Right1/ Right2/ Left)
		10	1	00-7F	AC1 INSERTION CONTROL DEPTH	-64...0...+63		X	X			X					X			X	X	X
		11	1	00-7F	AC2 INSERTION CONTROL DEPTH	-64...0...+63		X	X			X					X			X	X	X

TOTAL SIZE 12

		14	1	00-7F	UNIQUE INSERTION EFFECT EXTERNAL CONTROL CH1 (HARMONY CHANNEL)	1...16 (0...15), OFF (127)		X	O			O					●			O	O	X
		15	1	00-7F	UNIQUE INSERTION EFFECT EXTERNAL CONTROL CH1 (MELODY CHANNEL)	1...16 (0...15), OFF (127)		X	O			O					O			O	O	X

TOTAL SIZE 2

		20	1	00-7F	INSERTION EFFECT PARAMETER 11 Vibrato Depth	0...100cent (0...127)		X	O			O					●			O	O	X
		21	1	00-7F	INSERTION EFFECT PARAMETER 12 Vibrato Rate	0Hz (0), 0.1...12.7Hz (1...127)		X	O			O					●			O	O	X
		22	1	00-7F	INSERTION EFFECT PARAMETER 13 Vibrato Delay	0...2.54sec (0...127)		X	O			O					●			O	O	X
		23	1	00-7F	INSERTION EFFECT PARAMETER 14			X	X			X					X			X	X	X
		24	1	00-7F	INSERTION EFFECT PARAMETER 15			X	X			X					X			X	X	X
		25	1	00-7F	INSERTION EFFECT PARAMETER 16			X	X			X					X			X	X	X

TOTAL SIZE 6

●: Transmitted via panel operations

MIDI Parameter Change table (MULTI PART)

[MIDI] [Song Creator]

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Voice		MIDI Reception					MIDI Transmission					PLAY		REC
								Regular/ Drum/ Natural/ Organ Voice	Mic/ Vocal Harmony	Song	Right1/ Right2/ Left	Keyboard	Style	Extra	Right1/ Right2/ Left	M.Pad	Style	Song	Upper Lower	PLAY	REW	From panel (Right1/ Right2/ Left)
08	nn	00	1	00-20	ELEMENT RESERVE	0...32	part10, 26=0, other parts=2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		01	1	00-7F	BANK SELECT MSB	0...127	part10=7F, other parts=00	O	X	O	O	X	O	O	X	X	X	O	X	O	O	X
		02	1	00-7F	BANK SELECT LSB	0...127	00	O	X	O	O	X	O	O	X	X	X	O	X	O	O	X
		03	1	00-7F	PROGRAM NUMBER	1...128	00	O	X	O	O	X	O	O	X	X	X	O	X	O	O	X
		04	1	00-0F, 7F	Rcv CHANNEL	1...16, OFF	Part No.	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
		05	1	00-01	MONO/POLY MODE	MONO, POLY	01	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
		06	1	00-02	SAME NOTE NUMBER KEY ON ASSIGN	SINGLE, MULTI, INST (for Drum)	01	O	X	O	X	X	O	X	X	X	X	O	X	O	X	X
		07	1	00-03	PART MODE	NORMAL, DRUM, DRUMS1...2	part10=02, other parts=00	O	X	O	X	X	X	X	●	X	●	●	X	O	X	O
		08	1	28-58	NOTE SHIFT	-24...0...+24[semitones]	40	O	X	O	O	X	O	O	X	X	X	O	X	O	O	X
		09 0A	2	00-0F 00-0F	DETUNE	-12.8...0...+12.7[Hz] 1st bit3-0 -> bit7-4 2nd bit3-0 -> bit3-0	08 00	O	X	O	O	X	O	O	X	X	X	O	X	O	X	X
		0B	1	00-7F	VOLUME	0...127	64	O	X	O	O	X	O	O	X	X	X	O	X	O	O	X
		0C	1	00-7F	VELOCITY SENSE DEPTH	0...127	40	O	X	O	O	X	X	O	●	O	X	O	X	O	O	O
		0D	1	00-7F	VELOCITY SENSE OFFSET	0...127	40	O	X	O	O	X	X	O	●	O	X	O	X	O	O	O
		0E	1	00-7F	PAN	RND, L63...C...R63	40	O	X	O	O	X	O	O	X	X	X	O	X	O	O	X
		0F	1	00-7F	NOTE LIMIT LOW	C-2...G8	00	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
		10	1	00-7F	NOTE LIMIT HIGH	C-2...G8	7F	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
		11	1	00-7F	DRY LEVEL	0...127	7F	O	X	O	O	X	O	O	X	O	●	●	X	O	O	O
		12	1	00-7F	CHORUS SEND	0...127	00	O	X	O	O	X	O	O	X	X	X	O	X	O	O	X
		13	1	00-7F	REVERB SEND	0...127	28	O	X	O	O	X	O	O	X	X	X	O	X	O	O	X
		14	1	00-7F	VARIATION SEND	0...127	00	O	X	O	O	X	O	O	X	X	X	O	X	O	O	O
		15	1	00-7F	VIBRATO RATE	-64...0...+63	40	O	X	O	O	X	O	O	X	X	X	O	X	O	O	X
		16	1	00-7F	VIBRATO DEPTH	-64...0...+63	40	O	X	O	O	X	O	O	X	X	X	O	X	O	O	X
		17	1	00-7F	VIBRATO DELAY	-64...0...+63	40	O	X	O	O	X	O	O	X	X	X	O	X	O	O	X
		18	1	00-7F	FILTER CUTOFF FREQUENCY	-64...0...+63	40	O	X	O	O	X	O	O	X	X	X	O	X	O	O	X
		19	1	00-7F	FILTER RESONANCE	-64...0...+63	40	O	X	O	O	X	O	O	X	X	X	O	X	O	O	X
		1A	1	00-7F	EG ATTACK TIME	-64...0...+63	40	O	X	O	O	X	O	O	X	X	X	O	X	O	O	X
		1B	1	00-7F	EG DECAY TIME	-64...0...+63	40	O	X	O	O	X	O	O	X	X	X	O	X	O	O	X
		1C	1	00-7F	EG RELEASE TIME	-64...0...+63	40	O	X	O	O	X	O	O	X	X	X	O	X	O	O	X
		1D	1	28-58	MW PITCH CONTROL	-24...0...+24[semitones]	40	O	X	O	O	X	X	O	X	X	X	O	X	O	X	X
		1E	1	00-7F	MW LOW PASS FILTER CONTROL	-9600...0...+9450[cent]	40	O	X	O	O	X	X	O	●	O	X	O	X	O	O	O
		1F	1	00-7F	MW AMPLITUDE CONTROL	-100...0...+100[%]	40	O	X	O	O	X	X	O	X	X	X	O	X	O	X	X
		20	1	00-7F	MW LFO PMOD DEPTH	0...127	0A	O	X	O	O	X	X	O	●	O	X	O	X	O	O	O
		21	1	00-7F	MW LFO FMOD DEPTH	0...127	00	O	X	O	O	X	X	O	●	O	X	O	X	O	O	O
		22	1	00-7F	MW LFO AMOD DEPTH	0...127	00	O	X	O	O	X	X	O	●	O	X	O	X	O	O	O
		23	1	28-58	BEND PITCH CONTROL	-24...0...+24[semitones]	42	O	X	O	O	X	O	O	X	X	X	O	X	O	X	X
		24	1	00-7F	BEND LOW PASS FILTER CONTROL	-9600...0...+9450[cent]	40	O	X	O	O	X	O	O	X	X	X	O	X	O	X	X
		25	1	00-7F	BEND AMPLITUDE CONTROL	-100...0...+100[%]	40	O	X	O	O	X	O	O	X	X	X	O	X	O	X	X
		26	1	00-7F	BEND LFO PMOD DEPTH	0...127	00	O	X	O	O	X	O	O	X	X	X	O	X	O	X	X
		27	1	00-7F	BEND LFO FMOD DEPTH	0...127	00	O	X	O	O	X	O	O	X	X	X	O	X	O	X	X
		28	1	00-7F	BEND LFO AMOD DEPTH	0...127	00	O	X	O	O	X	O	O	X	X	X	O	X	O	X	X

TOTAL SIZE 29

[MIDI] [Song Creator]

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Voice		MIDI Reception					MIDI Transmission					PLAY		REC
								Regular/ Drum/ Natural/ Organ Voice	Mic/ Vocal Harmony	Song	Right1/ Right2/ Left	Keyboard	Style	Extra	Right1/ Right2/ Left	M.Pad	Style	Song	Upper Lower	PLAY	REW	Panel (Right1/ Right2/ Left)
		30	1	00-01	Rcv PITCH BEND	OFF, ON	01	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
		31	1	00-01	Rcv CH AFTER TOUCH (CAT)	OFF, ON	01	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
		32	1	00-01	Rcv PROGRAM CHANGE	OFF, ON	01	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
		33	1	00-01	Rcv CONTROL CHANGE	OFF, ON	01	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
		34	1	00-01	Rcv POLY AFTER TOUCH (PAT)	OFF, ON	01	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
		35	1	00-01	Rcv NOTE MESSAGE	OFF, ON	01	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
		36	1	00-01	Rcv RPN	OFF, ON	01	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
		37	1	00-01	Rcv NRPN	OFF, ON	XGmode=01, GMmode=00	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X

[MIDI] [Song Creator]

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Voice		MIDI Reception					MIDI Transmission					PLAY		REC
						Regular/ Drum/ Natural/ Organ Voice	Mic/ Vocal Harmony	Song	Right1/ Right2/ Left	Keyboard	Style	Extra	Right1/ Right2/ Left	M.Pad	Style	Song	Upper Lower	PLAY	REW	Panel (Right1/ Right2/ Left)
38	1	00-01	Rcv MODULATION	OFF, ON	01	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
39	1	00-01	Rcv VOLUME	OFF, ON	01	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
3A	1	00-01	Rcv PAN	OFF, ON	01	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
3B	1	00-01	Rcv EXPRESSION	OFF, ON	01	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
3C	1	00-01	Rcv HOLD1	OFF, ON	01	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
3D	1	00-01	Rcv PORTAMENTO	OFF, ON	01	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
3E	1	00-01	Rcv SOSTENUTO	OFF, ON	01	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
3F	1	00-01	Rcv SOFT PEDAL	OFF, ON	01	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
40	1	00-01	Rcv BANK SELECT	OFF, ON	01	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
41	1	00-7F	SCALE TUNING C	-64...0...+63[cent]	40	O	X	O	O	X	O	O	●	X	●	O	X	O	O	O
42	1	00-7F	SCALE TUNING C#	-64...0...+63[cent]	40	O	X	O	O	X	O	O	●	X	●	O	X	O	O	O
43	1	00-7F	SCALE TUNING D	-64...0...+63[cent]	40	O	X	O	O	X	O	O	●	X	●	O	X	O	O	O
44	1	00-7F	SCALE TUNING D#	-64...0...+63[cent]	40	O	X	O	O	X	O	O	●	X	●	O	X	O	O	O
45	1	00-7F	SCALE TUNING E	-64...0...+63[cent]	40	O	X	O	O	X	O	O	●	X	●	O	X	O	O	O
46	1	00-7F	SCALE TUNING F	-64...0...+63[cent]	40	O	X	O	O	X	O	O	●	X	●	O	X	O	O	O
47	1	00-7F	SCALE TUNING F#	-64...0...+63[cent]	40	O	X	O	O	X	O	O	●	X	●	O	X	O	O	O
48	1	00-7F	SCALE TUNING G	-64...0...+63[cent]	40	O	X	O	O	X	O	O	●	X	●	O	X	O	O	O
49	1	00-7F	SCALE TUNING G#	-64...0...+63[cent]	40	O	X	O	O	X	O	O	●	X	●	O	X	O	O	O
4A	1	00-7F	SCALE TUNING A	-64...0...+63[cent]	40	O	X	O	O	X	O	O	●	X	●	O	X	O	O	O
4B	1	00-7F	SCALE TUNING A#	-64...0...+63[cent]	40	O	X	O	O	X	O	O	●	X	●	O	X	O	O	O
4C	1	00-7F	SCALE TUNING B	-64...0...+63[cent]	40	O	X	O	O	X	O	O	●	X	●	O	X	O	O	O
4D	1	28-58	CAT PITCH CONTROL	-24...0...+24[semitones]	40	O	X	O	O	X	X	O	X	X	X	O	X	O	X	X
4E	1	00-7F	CAT LOW PASS FILTER CONTROL	-9600...0...+9450[cent]	40	O	X	O	O	X	X	O	X	O	X	O	X	O	O	X
4F	1	00-7F	CAT AMPLITUDE CONTROL	-100...0...+100[%]	40	O	X	O	O	X	X	O	X	X	X	O	X	O	X	X
50	1	00-7F	CAT LFO PMOD DEPTH	0...127	00	O	X	O	O	X	X	O	X	O	X	O	X	O	O	X
51	1	00-7F	CAT LFO FMOD DEPTH	0...127	00	O	X	O	O	X	X	O	X	O	X	O	X	O	O	X
52	1	00-7F	CAT LFO AMOD DEPTH	0...127	00	O	X	O	O	X	X	O	X	O	X	O	X	O	O	X
53	1	28-58	PAT PITCH CONTROL	-24...0...+24[semitones]	40	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
54	1	00-7F	PAT LOW PASS FILTER CONTROL	-9600...0...+9450[cent]	40	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
55	1	00-7F	PAT AMPLITUDE CONTROL	-100...0...+100[%]	40	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
56	1	00-7F	PAT LFO PMOD DEPTH	0...127	00	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
57	1	00-7F	PAT LFO FMOD DEPTH	0...127	00	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
58	1	00-7F	PAT LFO AMOD DEPTH	0...127	00	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
59	1	00-5F	AC1 CONTROLLER NUMBER	0...95	10	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
5A	1	28-58	AC1 PITCH CONTROL	-24...0...+24[semitones]	40	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
5B	1	00-7F	AC1 LOW PASS FILTER CONTROL	-9600...0...+9450[cent]	40	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
5C	1	00-7F	AC1 AMPLITUDE CONTROL	-100...0...+100[%]	40	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
5D	1	00-7F	AC1 LFO PMOD DEPTH	0...127	00	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
5E	1	00-7F	AC1 LFO FMOD DEPTH	0...127	00	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
5F	1	00-7F	AC1 LFO AMOD DEPTH	0...127	00	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
60	1	00-5F	AC2 CONTROLLER NUMBER	0...95	11	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
61	1	28-58	AC2 PITCH CONTROL	-24...0...+24[semitones]	40	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
62	1	00-7F	AC2 LOW PASS FILTER CONTROL	-9600...0...+9450[cent]	40	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
63	1	00-7F	AC2 AMPLITUDE CONTROL	-100...0...+100[%]	40	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
64	1	00-7F	AC2 LFO PMOD DEPTH	0...127	00	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
65	1	00-7F	AC2 LFO FMOD DEPTH	0...127	00	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
66	1	00-7F	AC2 LFO AMOD DEPTH	0...127	00	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
67	1	00-01	PORTAMENTO SWITCH	OFF, ON	00	O (Except Natural Piano, Organ Flutes)	X	O	O	X	X	O	X	X	X	O	X	O	O	X
68	1	00-7F	PORTAMENTO TIME	0...127	00	O	X	O	O	X	X	O	X	X	X	O	X	O	O	X
69	1	00-7F	PITCH EG INITIAL LEVEL	-64...0...+63	40	O	X	O	O	X	X	O	X	X	X	O	X	O	X	X
6A	1	00-7F	PITCH EG ATTACK TIME	-64...0...+63	40	O	X	O	O	X	X	O	X	X	X	O	X	O	X	X
6B	1	00-7F	PITCH EG RELEASE LEVEL	-64...0...+63	40	O	X	O	O	X	X	O	X	X	X	O	X	O	X	X
6C	1	00-7F	PITCH EG RELEASE TIME	-64...0...+63	40	O	X	O	O	X	X	O	X	X	X	O	X	O	X	X
6D	1	01-7F	VELOCITY LIMIT LOW	1...127	01	O	X	O	O	X	X	O	X	X	X	O	X	O	X	X
6E	1	01-7F	VELOCITY LIMIT HIGH	1...127	7F	O	X	O	O	X	X	O	X	X	X	O	X	O	X	X

TOTAL SIZE 3F

70	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72	1	00-7F	EQ BASS GAIN	-12dB...+12dB	40	O	X	O	O	X	O	O	●	●	●	●	X	O	O	O
73	1	00-7F	EQ TREBLE GAIN	-12dB...+12dB	40	O	X	O	O	X	O	O	●	●	●	●	X	O	O	O

TOTAL SIZE 04

74	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
76	1	04-28	EQ BASS FREQUENCY	32...2.0k[Hz]	0C	O	X	O	O	X	X	O	●	O	X	O	X	O	O	O
77	1	1C-3A	EQ TREBLE FREQUENCY	500...16.0k[Hz]	36	O	X	O	O	X	X	O	●	O	X	O	X	O	O	O
78	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
79	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7A	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7B	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7C	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7D	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7E	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7F	1		NOT USED		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TOTAL SIZE 0C

●: Transmitted via panel operations

MIDI Data Format / MIDI-Datenformat / Format des données MIDI / Formato de datos MIDI

[MIDI] [Song Creator]

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Voice: Regular/Drum/Natural/Organ Voice	Voice: Mic/Vocal Harmony	MIDI Reception: Song	MIDI Reception: Right1/Right2/Left	MIDI Reception: Keyboard	MIDI Reception: Style	MIDI Reception: Extra	MIDI Transmission: Right1/Right2/Left	MIDI Transmission: M.Pad	MIDI Transmission: Style	MIDI Transmission: Song	MIDI Transmission: Upper Lower	PLAY: PLAY	PLAY: REW	REC: From panel (Right1/Right2/Left)
0A	nn	40	1	00-7F	MW OFFSET LEVEL CONTROL	-100 – 100[%]	40	O	-	O	O	X	X	O	●	O	X	O	X	O	O	O
		41	1	00-7F	BEND OFFSET LEVEL CONTROL	-100 – 100[%]	40	O	-	O	X	X	X	X	X	X	X	O	X	O	O	X
		42	1	00-7F	CAT OFFSET LEVEL CONTROL	-100 – 100[%]	40	O	-	O	O	X	X	O	X	O	X	O	X	O	O	X
		43	1	00-7F	PAT OFFSET LEVEL CONTROL	-100 – 100[%]	40	O	-	O	X	X	X	X	X	X	X	O	X	O	O	X
		44	1	00-7F	AC1 OFFSET LEVEL CONTROL	-100 – 100[%]	40	O	-	O	X	X	X	X	X	X	X	O	X	O	O	X
		45	1	00-7F	AC2 OFFSET LEVEL CONTROL	-100 – 100[%]	40	O	-	O	X	X	X	X	X	X	X	O	X	O	O	X

TOTAL SIZE 06

●: Transmitted via panel operations

nn = PART NUMBER

If there is a Drum Voice assigned to the part, the following parameters are ineffective.
- BANK SELECT LSB
- PORTAMENTO
- MONO/POLY
- SCALE TUNING
- POLY AFTER TOUCH
- PITCH EG

MIDI Parameter Change table (A/D PART)

PSR-S700	X
PSR-S900	O

[MIDI] [Song Creator]

Address (H)			Size (H)	Data (H)	Parameter	Description		Voice: Regular/Drum/Natural/Organ Voice	Voice: Mic/Vocal Harmony	MIDI Reception: Song	MIDI Reception: Right1/Right2/Left	MIDI Reception: Keyboard	MIDI Reception: Style	MIDI Reception: Extra	MIDI Transmission: Right1/Right2/Left	MIDI Transmission: M.Pad	MIDI Transmission: Style	MIDI Transmission: Song	MIDI Transmission: Upper Lower	PLAY: PLAY	PLAY: REW	REC: From panel (Right1/Right2/Left)
10	0n	00	1	00-01	INPUT GAIN	MIC, LINE	*The A/D PART parameter cannot be reset to its factory setting with XG System On.	X	X	X					X					X	X	X
		01	1	00-7F	BANK SELECT MSB	0...127		X	X	X					X					X	X	X
		02	1	00-7F	BANK SELECT LSB	0...127		X	X	X					X					X	X	X
		03	1	00-7F	PROGRAM NUMBER	1...128		X	X	X					X					X	X	X
		04	1	00-0F, 7F	Rcv CHANNEL	1...16, OFF		X	O	O					O					O	X	X
		05	1		NOT USED			-	-	-					-					-	-	-
		06	1		NOT USED			-	-	-					-					-	-	-
		07	1		NOT USED			-	-	-					-					-	-	-
		08	1		NOT USED			-	-	-					-					-	-	-
		09	1		NOT USED			-	-	-					-					-	-	-
		0A	1		NOT USED			-	-	-					-					-	-	-
		0B	1	00-7F	VOLUME	0...127		X	O	O					●					O	X	X
		0C	1		NOT USED			-	-	-					-					-	-	-
		0D	1		NOT USED			-	-	-					-					-	-	-
		0E	1	01-7F	PAN	L63...C...R63		X	O	O					●					O	X	X
		0F	1		NOT USED			-	-	-					-					-	-	-
		10	1		NOT USED			-	-	-					-					-	-	-
		11	1	00-7F	DRY LEVEL	0...127		X	O	O					●					O	X	X
		12	1	00-7F	CHORUS SEND	0...127		X	O	O					●					O	X	X
		13	1	00-7F	REVERB SEND	0...127		X	O	O					●					O	X	X
		14	1	00-7F	VARIATION SEND	0...127		X	O	O					●					O	X	X

TOTAL SIZE 15

n: A/D Part Number (0)

MIDI Parameter Change table (DRUM SETUP)

[MIDI] [Song Creator]

Address (H)			Size (H)	Data (H)	Parameter	Description	XG Default (H)	Voice: Regular/Drum/Natural/Organ Voice	Voice: Mic/Vocal Harmony	MIDI Reception: Song	MIDI Reception: Right1/Right2/Left	MIDI Reception: Keyboard	MIDI Reception: Style	MIDI Reception: Extra	MIDI Transmission: Right1/Right2/Left	MIDI Transmission: M.Pad	MIDI Transmission: Style	MIDI Transmission: Song	MIDI Transmission: Upper Lower	PLAY: PLAY	PLAY: REW	REC: From panel (Right1/Right2/Left)
3n	rr	00	1	00-7F	PITCH COARSE	-64...0...+63	40	O (Drum only)	X	O (Available only for song parts)					O					O	X	X
		01	1	00-7F	PITCH FINE	-64...0...+63[cent]	40	O (Drum only)	X	O (Available only for song parts)					O					O	X	X
		02	1	00-7F	LEVEL	0...127	Depends on the note	O (Drum only)	X	O (Available only for song parts)					O					O	X	X
		03	1	00-7F	ALTERNATE GROUP	OFF, 1...127	Depends on the note	O (Drum only)	X	O (Available only for song parts)					O					O	X	X
		04	1	00-7F	PAN	RND, L63...C...R63	Depends on the note	O (Drum only)	X	O (Available only for song parts)					O					O	X	X
		05	1	00-7F	REVERB SEND	0...127	Depends on the note	O (Drum only)	X	O (Available only for song parts)					O					O	X	X
		06	1	00-7F	CHORUS SEND	0...127	Depends on the note	O (Drum only)	X	O (Available only for song parts)					O					O	X	X
		07	1	00-7F	VARIATION SEND	0...127	7F	O (Drum only)	X	O (Available only for song parts)					O					O	X	X
		08	1	00-01	KEY ASSIGN	SINGLE, MULTI	00	O (Drum only)	X	O (Available only for song parts)					O					O	X	X
		09	1	00-01	Rcv NOTE OFF	OFF, ON	Depends on the note	O (Drum only)	X	O (Available only for song parts)					O					O	X	X
		0A	1	00-01	Rcv NOTE ON	OFF, ON	01	O (Drum only)	X	O (Available only for song parts)					O					O	X	X
		0B	1	00-7F	LOW PASS FILTER CUTOFF FREQUENCY	-64...0...+63	40	O Drum only)	X	O (Available only for song parts)					O					O	X	X
		0C	1	00-7F	LOW PASS FILTER RESONANCE	-64...0...+63	40	O (Drum only)	X	O (Available only for song parts)					O					O	X	X
		0D	1	00-7F	EG ATTACK RATE	-64...0...+63	40	O (Drum only)	X	O (Available only for song parts)					O					O	X	X
		0E	1	00-7F	EG DECAY1 RATE	-64...0...+63	40	O (Drum only)	X	O (Available only for song parts)					O					O	X	X
		0F	1	00-7F	EG DECAY2 RATE	-64...0...+63	40	O (Drum only)	X	O (Available only for song parts)					O					O	X	X

TOTAL SIZE 10

[MIDI] [Song Creator]

Address (H)	Size (H)	Data (H)	Parameter	Description	XG Default (H)	Voice		MIDI Reception					MIDI Transmission					PLAY		REC
						Regular/ Drum/ Natural/ Organ Voice	Mic/ Vocal Harmony	Song	Right1/ Right2/ Left	Keyboard	Style	Extra	Right1/ Right2/ Left	M.Pad	Style	Song	Upper Lower	PLAY	REW	From panel (Right1/ Right2/ Left)
20	1	00-7F	EQ BASS GAIN	-12...+12[dB]	40	X	X	X					X					X	X	X
21	1	00-7F	EQ TREBLE GAIN	-12...+12[dB]	40	X	X	X					X					X	X	X
22	1		NOT USED		-	-	-	-					-					-	-	-
23	1		NOT USED		-	-	-	-					-					-	-	-
24	1	04-28	EQ BASS FREQUENCY	32...2.0k[Hz]	0C	X	X	X					X					X	X	X
25	1	1C-3A	EQ TREBLE FREQUENCY	500...16.0k[Hz]	36	X	X	X					X					X	X	X
26	1		NOT USED		-	-	-	-					-					-	-	-
27	1		NOT USED		-	-	-	-					-					-	-	-
28	1		NOT USED		-	-	-	-					-					-	-	-
29	1		NOT USED		-	-	-	-					-					-	-	-
2A	1		NOT USED		-	-	-	-					-					-	-	-
2B	1		NOT USED		-	-	-	-					-					-	-	-
2C	1		NOT USED		-	-	-	-					-					-	-	-
2D	1		NOT USED		-	-	-	-					-					-	-	-

TOTAL SIZE 0E

n: Drum Setup Number (0-1)
rr: note number (0D-5B)

In the following cases, the instrument will initialize all Drum Setups.

XG SYSTEM ON received
GM SYSTEM ON received
GM LEVEL2 SYSTEM ON received
GS RESET received
DRUM SETUP RESET received (only when in XG mode)

[Note]
When a part to which a Drum Setup is assigned receives a program change, the assigned Drum Setup will be initialized.
If the same Drum Setup is assigned to two or more parts, changes in Drum Setup parameters (including program changes) will apply to all parts to which it is assigned.

System Exclusive Messages (1)

[GM1] ... GM Required Parameter
[GM2] ... GM Level2 Required Parameter

* Not received when Receive System Exclusive Message Parameters is set to off.
* Not transmitted when Transmit System Exclusive Message Parameters is set to off.

System Exclusive Messages (Universal Real Time Messages)

[MIDI] [Song Creator]

MIDI Event	Data Format	Voice		MIDI Reception					MIDI Transmission					PLAY		REC
		Regular/ Drum/ Natural/ Organ Voice	Mic/ Vocal Harmony	Song	Right1/ Right2/ Left	Keyboard	Style	Extra	Right1/ Right2/ Left	M.Pad	Style	Song	Upper Lower	PLAY	REW	From panel operations
Master Volume [GM2]	F0 7F XN 04 01 SS TT F7 11110000 F0 = Exclusive status 01111111 7F = Universal Real Time 0xxxnnnn XN = When N is received N = 0-F, whichever is received. X = ignored 00000100 04 = Sub-ID #1 = Device Control Message 00000001 01 = Sub-ID #2 = Master Volume 0sssssss SS = Volume LSB 0ttttttt TT = Volume MSB 11110111 F7 = End of Exclusive	O	X	O (Available for extra parts of a song)					O					O	O	X
Master Fine Tuning [GM2]	F0 7F XN 04 03 SS TT F7 11110000 F0 = Exclusive status 01111111 7F = Universal Real Time 0xxxnnnn XN = When N is received N = 0-F, whichever is received. X = ignored 00000100 04 = Sub-ID #1 = Device Control Message 00000011 03 = Sub-ID #2 = Master Fine Tuning 0sssssss SS = Fine Tuning LSB 0ttttttt TT = Fine Tuning MSB 11110111 F7 = End of Exclusive	O	X	O (Available for extra parts of a song)					O					O	X	X
Master Coarse Tuning [GM2]	F0 7F XN 04 04 00 TT F7 11110000 F0 = Exclusive status 01111111 7F = Universal Real Time 0xxxnnnn XN = When N is received N = 0-F, whichever is received. X = ignored 00000100 04 = Sub-ID #1 = Device Control Message 00000100 04 = Sub-ID #2 = Master Coarse Tuning 00000000 00 0ttttttt TT = Coarse Tuning MSB 11110111 F7 = End of Exclusive	O	X	O (Available for extra parts of a song)					O					O	X	X
Reverb Parameter [GM2]	F0 7F XN 04 05 01 01 01 01 01 PP VV ... F7 11000000 F0 = Exclusive status 01111111 7F = Universal Real Time 0xxxnnnn XN = When N is received N = 0-F, whichever is received. X = ignored 00000100 04 = Sub-ID #1 = Device Control Message 00000101 05 = Sub-ID #2 = Global Parameter Control 00000001 01 = Slot path length = 1 00000001 01 = Parameter ID width = 1 00000001 01 = Value width = 1 00000001 01 = Slot path MSB = 1 00000001 01 = Slot path LSB = 1 (Reverb) 0ppppppp PP = Parameter to be controlled. 0vvvvvvv VV = Value for the Parameter. : : 11110111 F7 = End of Exclusive Parameter (pp) / Value (vv) / Display pp=0 Reverb Type / 0...8 / 0: RoomS, 1: RoomM, 2: RoomL, 3: HallM, 4: HallL (default), 8: GM Plate pp=1 Reverb Time / 0...127 / 0...11.0s	O	O	O					O					O	O	X
Chorus Parameter [GM2]	F0 7F XN 04 05 01 01 01 01 02 PP VV ... F7 11110000 F0 = Exclusive status 01111111 7F = Universal Real Time 0xxxnnnn XN = When N is received N = 0-F, whichever is received. X = ignored 00000100 04 = Sub-ID #1 = Device Control Message 00000101 05 = Sub-ID #2 = Global Parameter Control 00000001 01 = Slot path length = 1 00000001 01 = Parameter ID width = 1 00000001 01 = Value width = 1 00000001 01 = Slot path MSB = 1 00000010 02 = Slot path LSB = 2 (Chorus) 0ppppppp PP = Parameter to be controlled. 0vvvvvvv VV = Value for the Parameter : : 11110111 F7 = End of Exclusive Parameter (pp) / Value (vv) / Display pp=0 Chorus Type / 0...5 / 0: GM Chorus1, 1: GM Chorus2, 2: GM Chorus3 (default), 3: GM Chorus4, 4: FB Chorus, 5: GM Flanger pp=1 Mod Rate / 0...127 / 0...15.5Hz pp=2 Mod Depth / 0...127 pp=3 Feedback / 0...127 pp=4 Send to Reverb / 0...127	O	O	O					O					O	O	X
Channel Pressure (Aftertouch) [GM2]	F0 7F XN 09 01 0M PP RR ... F7 11110000 F0 = Exclusive status 01111111 7F = Universal Real Time 0xxxnnnn XN = When N is received N = 0-F, whichever is received. X = ignored 00001001 09 = Sub-ID #1 = Controller Destination Setting 00000001 01 = Sub-ID #2 = Controller Type: 01 (Channel Pressure) 0000mmmm 0M = MIDI Channel (00-0F) 0ppppppp PP = Controlled Parameter 0rrrrrrr RR = Data : : 11110111 F7 = End of Exclusive Make sure to set both the controlled parameter and the range. Parameters not set will be restored to their default values. Control Parameter (pp) / Data (RR) / Description / Default Value pp=00 Pitch Control / 28H~58H / -24...0...+24semitones / 40H pp=01 Filter Cutoff Control / 00H~FH / -9600...0...+9450cents / 40H pp=02 Amplitude Control / 00H~FH / -100...0...+100% / 40H pp=03 LFO Pitch Depth / 00H~FH / 0...127 / 00H pp=04 LFO Filter Depth / 00H~FH / 0...127 / 00H pp=05 LFO Amplitude Depth / 00H~FH / 0...127 / 00H	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X

[MIDI] [Song Creator]

MIDI Event	Data Format	Voice		MIDI Reception					MIDI Transmission					PLAY		REC
		Regular/ Drum/ Natural/ Organ Voice	Mic/ Vocal Harmony	Song	Right1/ Right2/ Left	Keyboard	Style	Extra	Right1/ Right2/ Left	M.Pad	Style	Song	Upper Lower	PLAY	REW	From panel operations
Controller (Control Change) [GM2]	F0 7F XN 09 03 0M CC PP RR ... F7 11110000 F0 = Exclusive status 01111111 7F = Universal Real Time 0xxxnnnn XN = When N is received N = 0-F, whichever is received. X = ignored 00001001 09 = Sub-ID #1 = Controller Destination Setting 00000011 03 = Sub-ID #2 = Controller Type: 03 (Control Change) 0000mmmm 0M = MIDI Channel (00-0F) 0ccccccc CC = Controller Number (01H-1FH, 40H-5FH) 0ppppppp PP = Controlled Parameter 0rrrrrrr RR = Range : : 11110111 F7 = End of Exclusive Make sure to set both the controlled parameter and the range. Parameters not set will be restored to their default values. Control Parameter (pp) Data (RR) Description Default Value -- pp=00 Pitch Control 28H~58H -24...0...+24semitones 40H pp=01 Filter Cutoff Control 00H~7FH -9600...0...+9450cents 40H pp=02 Amplitude Control 00H~7FH -100...0...+100% 40H pp=03 LFO Pitch Depth 00H~7FH 0...127 00H pp=04 LFO Filter Depth 00H~7FH 0...127 00H pp=05 LFO Amplitude Depth 00H~7FH 0...127 00H	O	X	O	X	X	X	X	X	X	X	O	X	O	X	X
Key-Based Instrument Control [GM2]	F0 7F XN 0A 01 0M KK CC VV ... F7 11110000 F0 = Exclusive status 01111111 7F = Universal Real Time 0xxxnnnn XN = When N is received N=0-F, whichever is received. X = ignored 00001010 0A = Sub-ID #1=Key-Based Instrument Control 00000001 01 = Sub-ID #2=Controller 0000mmmm 0M = MIDI Channel (00-0F) 0kkkkkkk KK = Key Number 0ccccccc CC = Controller Number 0vvvvvvv VV = Value ... ... 11110111 F7 = End of Exclusive Make sure to set both the controlled number and the value. Control Number (CC) Value (VV) Description Default value -- CC=07H Volume 00H~7FH -100...0...+100% 40H CC=0AH Pan 00H~7FH (absolute) L63...C...R63 (Preset value) CC=5BH Reverb Send Level 00H~7FH (absolute) 0...Max (Preset value) CC=5DH Chorus Send Level 00H~7FH (absolute) 0...Max (Preset value)	O (Drum only)	X	O	X	X	X	X	X	X	X	O	X	O	X	X

System Exclusive Messages (Universal Non-Real Time Messages)

[MIDI] [Song Creator]

MIDI Event	Data Format	Voice		MIDI Reception					MIDI Transmission					PLAY		REC
		Regular/ Drum/ Natural/ Organ Voice	Mic/ Vocal Harmony	Song	Right1/ Right2/ Left	Keyboard	Style	Extra	Right1/ Right2/ Left	M.Pad	Style	Song	Upper Lower	PLAY	REW	From panel operations
GM1 System On [GM1] [GM2]	F0 7E XN 09 01 F7 11110000 F0 = Exclusive status 01111110 7E = Universal Non-Real Time 0xxxnnnn XN = When N is received N = 0-F, whichever is received. X = ignored 00001001 09 = Sub-ID #1 = General MIDI Message 00000001 01 = Sub-ID #2 = General MIDI On 11110111 F7 = End of Exclusive	O	-	O					O					O	X	O
GM2 System On [GM2]	F0 7E XN 09 03 F7 11110000 F0 = Exclusive status 01111110 7E = Universal Non-Real Time 0xxxnnnn XN = When N is received N = 0-F, whichever is received. X = ignored 00001001 09 = Sub-ID #1=General MIDI Message 00000011 03 = Sub-ID #2=General MIDI2 On 11110111 F7 = End of Exclusive	O	-	O					O					O	X	X
General MIDI System Off [GM1] [GM2]	F0 7E XN 09 02 F7 11110000 F0 = Exclusive status 01111110 7E = Universal Non-Real Time 0xxxnnnn XN = When N is received N = 0-F, whichever is received. X = ignored 00001001 09 = Sub-ID #1 = General MIDI Message 00000010 02 = Sub-ID #2 = General MIDI Off 11110111 F7 = End of Exclusive	O	-	O					O					O	X	X
Scale/ Octave Tuning [GM2]	F0 7E XN 08 08 JJ GG MM SS ... F7 11110000 F0 = Exclusive status 01111110 7E = Universal Non-Real Time 0xxxnnnn XN = When N is received N=0-F, whichever is received. X = ignored 00001000 08 = Sub-ID #1=MIDI Tuning Standard 00001000 08 = Sub-ID #2=scale/octave tuning 1byte form 0jjjjjjj JJ = Channel/option byte1 bits 0 to 1 = channel 15 to 16 bits 2 to 6 = reserved 0ggggggg GG = Channel byte2 - bits0 to 6 = channel 8 to 14 0mmmmmmm MM = Channel byte2 - bits0 to 6 = channel 1 to 7 0sssssss SS = 12byte tuning offset of 12 semitones from C to B 00H means -64cent 40H means 0cent 7FH means +63cent ... ... 11110111 F7 = End of Exclusive	O	X	O (Available for song parts)					O					O	X	X

System Exclusive Messages (2)

* Not received when Receive System Exclusive Message Parameters is set to off.
* Not transmitted when Transmit System Exclusive Message Parameters is set to off.

System Exclusive Messages (Style)

[MIDI]

MIDI Event	Data Format	Voice		MIDI Reception					MIDI Transmission				
		Regular/Drum/ Natural/Organ Voice	Mic/Vocal Harmony	Song	Right1/ Right2/ Left	Keyboard	Style	Extra	Right1/ Right2/ Left	M.Pad	Style	Song	Upper Lower
Section Control	F0 43 7E 00 ss dd F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01111110 7E = Style 00000000 00 = 0sssssss ss = Switch No. 00H INTRO A 01H INTRO B 02H INTRO C 03H INTRO D 08H MAIN A 09H MAIN B 0AH MAIN C 0BH MAIN D 10H FILL IN AA 11H FILL IN BB 12H FILL IN CC 13H FILL IN DD 18H BREAK FILL 20H ENDING A 21H ENDING B 22H ENDING C 23H ENDING D 0ddddddd dd = Switch On/Off 00H (Off) 7FH (On) 11110111 F7 = End of Exclusive	-	-			O					●		
Tempo Control	F0 43 7E 01 t4 t3 t2 t1 F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01111110 7E = Style 00000001 01 = 0ttttttt t4 = tempo4 0ttttttt t3 = tempo3 0ttttttt t2 = tempo2 0ttttttt t1 = tempo1 11110111	-	-			O					●		
Chord Control	F0 43 7E tt d1 d2 d3 d4 F7 Type1 (tt=02) 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01111110 7E = Style 00000010 02 = type 1 0ddddddd d1 = chord root (cr) 0ddddddd d2 = chord type (ct) 0ddddddd d3 = bass note (bn) 0ddddddd d4 = bass type (bt) 11110111 F7 = End of Exclusive cr: Chord Root 0fffnnnn fff: b or #, nnnn: note (root) 0000nnnn 0n bbb 0fff0000 x0 reserved 0001nnnn 1n bb 0fff0001 x1 C 0010nnnn 2n b 0fff0010 x2 D 0011nnnn 3n natural 0fff0011 x3 E 0100nnnn 4n # 0fff0100 x4 F 0101nnnn 5n ## 0fff0101 x5 G 0110nnnn 6n ### 0fff0110 x6 A 0fff0111 x7 B ct : Chord Type 0 - 34, 127 00000000 00 0 Maj 00010010 12 18 dim7 00000001 01 1 Maj6 00010011 13 19 7th 00000010 02 2 Maj7 00010100 14 20 7sus4 00000011 03 3 Maj7(#11) 00010101 15 21 7b5 00000100 04 4 Maj(9) 00010110 16 22 7(9) 00000101 05 5 Maj7(9) 00010111 17 23 7(#11) 00000110 06 6 Maj6(9) 00011000 18 24 7(13) 00000111 07 7 aug 00011001 19 25 7(b9) 00001000 08 8 min 00011010 1A 26 7 b13) 00001001 09 9 min6 00011011 1B 27 7(#9) 00001010 0A 10 min7 00011100 1C 28 Maj7aug 00001011 0B 11 min7b5 00011101 1D 29 7aug 00001100 0C 12 min(9) 00011110 1E 30 1+8 00001101 0D 13 min7(9) 00011111 1F 31 1+5 00001110 0E 14 min7(11) 00100000 20 32 sus4 00001111 0F 15 minMaj7 00100001 21 33 1+2+5 00010000 10 16 minMaj7(9) 00100010 22 34 cc 00010001 11 17 dim bn: On Bass Note Same as Chord root 127: No bass chord bt: Bass Chord Same as Chord type 127: No bass chord * Not received when Chord System Exclusive Message Parameters is set to off. * Not received when Transmit Chord System Exclusive Message Parameters is set to off.	-	-			O					●		
	Type2 (tt=03) 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01111110 7E = Style 00000011 03 = type 2 0ddddddd dd = note1 0ddddddd dd = note2 0ddddddd dd = note3 : : 0ddddddd dd = note10 11110111 F7 = End of Exclusive	-	-			O					X		

●: Transmitted via panel operations

System Exclusive Messages (XG)

[MIDI]

MIDI Event	Data Format	Voice		MIDI Reception					MIDI Transmission				
		Regular/Drum/ Natural/Organ Voice	Mic/Vocal Harmony	Song	Right1/ Right2/ Left	Keyboard	Style	Extra	Right1/ Right2/ Left	M.Pad	Style	Song	Upper Lower
XG Parameter Changes	F0 43 1n 4C hh mm ll dd ... F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0001nnnn 1n = Device Number n = always 0 (when transmit), n = 0-F (when receive) 01001100 4C = Model ID 0hhhhhhh hh = Address High 0mmmmmmm mm= Address Mid 01111111 ll = Address Low 0ddddddd dd = Data : : 11110111 F7 = End of Exclusive	* Refer to XG Parameter Change Table.		O * Refer to XG Parameter Change Table.					O * Refer to XG Parameter Change Table.				
XG Bulk Dump	F0 43 0n 4C aa bb hh mm ll dd ... dd cc F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0000nnnn 0n = Device Number n = always 0 (when transmit), n=0-F (when receive) 01001100 4C = Model ID 0aaaaaaa aa = Byte Count MSB 0bbbbbbb bb = Byte Count LSB 0hhhhhhh hh = Address High 0mmmmmmm mm= Address Mid 01111111 ll = Address Low 0ddddddd dd = Data : : 0ddddddd dd = Data 0ccccccc cc = Checksum 11110111 F7 = End of Exclusive	* Refer to XG Parameter Change Table.		O * Refer to XG Parameter Change Table.					O * Refer to XG Parameter Change Table.				
XG Parameter Request	F0 43 3n 4C hh mm ll F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0011nnnn 3n = Device Number n = always 0 (when transmit), n = 0-F (when receive) 01001100 4C = Model ID 0hhhhhhh hh = Address High 0mmmmmmm mm= Address Mid 01111111 ll = Address Low 11110111 F7 = End of Exclusive	-	-	O * Refer to XG Parameter Change Table.					O * Refer to XG Parameter Change Table.				
XG Dump Request	F0 43 2n 4C hh mm ll F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0010nnnn 2n = Device Number n = always 0 (when transmit), n = 0-F (when receive) 01001100 4C = Model ID 0hhhhhhh hh = Address High 0mmmmmmm mm= Address Mid 01111111 ll = Address Low 11110111 F7 = End of Exclusive	-	-	O * Refer to XG Parameter Change Table.					O ** Refer to XG Parameter Change Table.				

System Exclusive Messages (Clavinova compliance)

11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01110011 73 = Clavinova ID : : 11110111 F7 = End of Exclusive

[MIDI]

MIDI Event	Data Format	Voice		MIDI Reception					MIDI Transmission				
		Regular/Drum/ Natural/Organ Voice	Mic/Vocal Harmony	Song	Right1/ Right2/ Left	Keyboard	Style	Extra	Right1/ Right2/ Left	M.Pad	Style	Song	Upper Lower
Internal Clock	F0 43 73 01 02 F7 00000001 01 = Model ID (Clavinova common ID) 00000010 02 = Internal Clock Substatus	-	-	O					X				
External Clock	F0 43 73 01 03 F7 00000001 01 = Model ID (Clavinova common ID) 00000011 03 = External Clock Substatus	-	-	O					X				
Organ Flutes data Bulk Dump	F0 43 73 01 06 0B 00 00 01 06 0n [Bulk Data] sum 01H Model ID (Clavinova common ID) 06H Bulk ID 0BH Bulk No. (Organ Flutes data Bulk Dump) 00H, 00H, 01H, 06H Data Length:16bytes 1st Channel No. 0nH 2nd Footage [1'] 00 - 08H 3rd [1 1/3'] 00 - 08H 4th [1 3/5'] 00 - 08H 5th [2'] 00 - 08H 6th [2 2/3'] 00 - 08H 7th [4'] 00 - 08H 8th [5 1/3'] 00 - 08H 9th [8'] 00 - 08H 10th [16'] 00 - 08H 11th [Attack 2'] 00 - 08H 12th [Attack 2 2/3'] 00 - 08H 13th [Attack 4'] 00 - 08H 14th Settings [Attack Length] 00 - 08H 15th [Response] 00 - 08H 16th [Attack Mode] 00 - 01H 00H: Each, 01H: First 17th [Wave Variation] 00 - 01H 00H: Sine, 01H: Vintage 18th [Volume] 01 - 09H 19th [aux] 00H 20th [aux] 00H 21th [aux] 00H 22th [aux] 00H sum Check Sum = 0-sum (BULK DATA)	O (Organ Flute)	X	O	O	X	X	O	●	X	X	O	X

●: Transmitted via panel operations

System Exclusive Messages Special Operators (Vocal Harmony Additional Parameters)

Vocal Harmony

PSR-S700	X
PSR-S900	O

[MIDI]

MIDI Event	Data Format	Voice		MIDI Reception					MIDI Transmission				
		Regular/Drum/ Natural/Organ Voice	Mic/Vocal Harmony	Song	Right1/ Right2/ Left	Keyboard	Style	Extra	Right1/ Right2/ Left	M.Pad	Style	Song	Upper Lower
Vocal Harmony Pitch to Note ON/OFF	F0 43 73 01 11 0n 50 00 dd F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01110011 73 = Clavinova ID 00000001 01 = Model ID (Clavinova common ID) 00010001 11 = Special Operators 0000nnnn 0n = Channel No. (Always 00) 01010000 50 = Vocal Harmony Additional Parameter Control No. 00000000 00 = Pitch to Note Parameter No. 0ddddddd dd = data (00H: Off, 01H: On) 11110111 F7 = End of Exclusive	X	O	O					●				
Vocal Harmony Pitch to Note Part	F0 43 73 01 11 0n 50 01 dd F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01110011 73 = Clavinova ID 00000001 01 = Model ID (Clavinova common ID) 00010001 11 = Special Operators 0000nnnn 0n = Channel No. (Always 00) 01010000 50 = Vocal Harmony Additional Parameter Control No. 00000001 01 = Pitch to Note Part Parameter No. 0ddddddd dd = data 00H: Right1 01H: Right2 02H: Left 03H: (not used) 04H: Upper 11110111 F7=End of Exclusive	X	O	O					●				
Vocal Harmony Vocoder Part (Harmony Part (Panel))	F0 43 73 01 11 0n 50 10 dd F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 01110011 73 = Clavinova ID 00000001 01 = Model ID (Clavinova common ID) 00010001 11 = Special Operators 0000nnnn 0n = Channel No. (Always 00) 01010000 50 = Vocal Harmony Additional Parameter Control No. 00010000 10 = Vocoder Part Parameter No. 0ddddddd dd = data 00H: Off 01H: Upper 02H: Lower 11110111 F7 = End of Exclusive	X	O	O					●				

●: Transmitted via panel operations

System Exclusive Messages (Others)

[MIDI]

MIDI Event	Data Format	Voice		MIDI Reception					MIDI Transmission				
		Regular/Drum/ Natural/Organ Voice	Mic/Vocal Harmony	Song	Right1/ Right2/ Left	Keyboard	Style	Extra	Right1/ Right2/ Left	M.Pad	Style	Song	Upper Lower
MIDI Master Tuning	F0 43 1n 27 30 00 00 0m 0l cc F7 11110000 F0 = Exclusive status 01000011 43 = YAMAHA ID 0001nnnn 1n n= always 0 (when transmit), n=0-F (when receive) 00100111 27 = Model ID of TG100 00110000 30 = Address High 00000000 00 = Address Mid 00000000 00 = Address Low 0000mmmm 0m= Master Tune MSB 00001111 0l = Master Tune LSB 0ccccccc cc = don't care 11110111 F7 = End of Exclusive	O	O	O					X				

Song System Exclusive Message List / Liste der System-Exclusive-Meldungen der Songs / Liste des messages exclusifs au système demorceaux / Lista de mensajes exclusivos del sistema de canciones

Guide

Data Format	Parameter	Description	Note
F0 43 73 01 1F 00 cc dd F7	Guide Mode	ccH = Part Select No 00H (TRACK1=ON, TRACK2=ON) 01H (TRACK1=OFF, TRACK2=ON) 02H (TRACK1=ON, TRACK2=OFF) 03H (TRACK1=OFF, TRACK2=OFF) ddH = Mode 00H=Guide OFF 01H=Follow Lights 02H=Any Key 03H=Karao-Key 04H=Vocal CueTIME (Vocal Cue Time is not available on the PSR-S700.)	Entered to the song from the [SONG CREATOR] > CHANNEL > SETUP display.

Score

Data Format	Parameter	Description	Note
F0 43 73 01 50 12 00 00 dd F7	Left Part indication On/Off	00H: OFF, 7FH: ON	Entered to the song from the [SONG CREATOR] > CHANNEL > SETUP display.
F0 43 73 01 50 12 00 01 dd F7	Right Part indication On/Off	00H: OFF, 7FH: ON	
F0 43 73 01 50 12 00 02 dd F7	Lyrics indication On/Off	00H: OFF, 7FH: ON	
F0 43 73 01 50 12 00 03 dd F7	Chord indication On/Off	00H: OFF, 7FH: ON	
F0 43 73 01 50 12 00 04 dd F7	N.Name indication On/Off	00H: OFF, 7FH: ON	
F0 43 73 01 50 12 00 05 dd F7	Size designation	00H: SMALL, 02H: LARGE	
F0 43 73 01 50 12 00 06 dd F7	Left Ch	00H~0FH=CH, 7EH=OFF, 7FH=AUTO	
F0 43 73 01 50 12 00 07 dd F7	Right Ch	00H~0FH=CH, 7EH=OFF, 7FH=AUTO	
F0 43 73 01 50 12 00 08 dd F7	Quantize triplet On/Off	00H: Triplet OFF, 7FH: Triplet ON	
F0 43 73 01 50 12 00 09 dd F7	Quantize	00H: quarter, 01H: eighth, 02H: sixteenth, 03H: thirty-second	
F0 43 73 01 50 12 00 0A dd F7	NoteName	00H: ABC, 01H: FixedDo, 02H: MovableDo	
F0 43 73 01 50 12 00 0B dd F7	Color Note	00H: OFF, 7FH: ON	

Style

Data Format	Parameter	Description	Note
F0 43 73 01 51 00 00 00 03 10 00 dd F7	STYLE SPLIT POINT	dd=STYLE SPLIT POINT (Note Number)	Entered to the song from the [SONG CREATOR] > CHANNEL > SETUP display.
F0 43 73 01 51 05 00 03 04 00 00 dd dd F7	STYLE NUMBER	dd dd = Style No.	Entered when recording.
F0 43 7E 00 ss dd F7	Section Control	Refer to the MIDI Data Format.	Entered when recording.

Song Meta Event List / Liste der Meta-Events der Songs / Liste des métaévénements des morceaux / Lista de meta-eventos de canciones

Data Format	Parameter	Description	Note
FF 05 len [Data]	Lyrics	len = Data length, [Data] = Lyrics Data	
FF 51 03 t1 t2 t3	Set Tempo	t1 t2 t3 = Tempo value B7 1B 00~01 D4 C0 (Tempo 5~500)	Entered when recording.
FF 58 04 nn dd cc bb	Beat	nn = Numerator dd = Denominator (2n) cc = MIDI clock per metronome click bb = Number of thirty-second notes in MIDI quarter note	Entered when recording.
FF 59 02 sf mi	Key Signature	sf = -7 – 7 mi = 0: Major key, 1: Minor key	Entered from the [Score] > SETUP display.

YAMAHA META EVENT

Data Format	Parameter	Description	Note
FF 7F 06 43 73 0A 00 07 dd	Score Start Bar	ddH: Start form this measure dd = -100 – 1, 1 – 100	Same as ScBar entered from the [SONG CREATOR] > SYS/EX. display.
FF 7F len 43 73 0D 01 [Data]	Keyboard Voice	Voice settings for RIGHT1, 2, and LEFT	Entered to the song from the [SONG CREATOR] > CHANNEL > SETUP display.

YAMAHA XF META EVENT

Data Format	Parameter	Description	Note
FF 7F 07 43 7B 01 cr ct bn bt	Chord Name	Refer to “Chord Control” in the MIDI Data Format (System Exclusive Messages).	Entered when recording.
FF 7F 05 43 7B 03 20 08	Phrase Mark	Used as a marker for each phrase when executing Phrase Mark repeat playback.	Used when performing the Phrase Mark repeat playback.
FF 7F 04 43 7B 04 dd	Phrase Max	Maximum Phrase Number.	
FF 7F 05 43 7B 0C rr ll	Guide Track Flag	Sets the TRACK 1 and TRACK 2 parameters on the [FUNCTION] > [SONG SETTING] display. rr = TRACK1 (0: OFF, 1: 1CH~16: 16CH) ll = TRACK2 (0: OFF, 1: 1CH~16: 16CH)	Entered when recording.

MIDI Implementation Chart / MIDI-Implementierungstabelle / Tableau d'implémentation MIDI / Gráfico de implementacíon MIDI

YAMAHA [Portable Keyboard] Date : 08-May-2006
Model PSR-S900/S700 MIDI Implementation Chart Version : 1.00

Function...		Transmitted	Recognized	Remarks
Basic Channel	Default Changed	1 - 16 1 - 16	1 - 16 1 - 16	
Mode	Default Messages Altered	3 × **************	3 × ×	
Note Number : True voice		0 - 127 **************	0 - 127 0 - 127	
Velocity	Note ON Note OFF	○ 9nH,v=1-127 × 9nH,v=0	○ 9nH,v=1-127 ×	
After Touch	Key's Ch's	× ×	○ ○	
Pitch Bend		○	○ 0 - 24 semi	
Control Change	0,32	○	○	Bank Select
	1,5,7,10,11	○	○	
	6,38	○	○	Data Entry
	64,65,66,67	○	○	
	71,72,73,74	○	○	Sound Controller
	84	○	○	Portamento Cntrl
	91,93,94	○	○	Effect Depth
	96,97	×	○	RPN Inc,Dec
	98,99	○	○	NRPN LSB,MSB
	100,101	○	○	RPN LSB,MSB
Prog Change : True #		○ 0 - 127 **************	○ 0 - 127	
System Exclusive		○	○	
Common	: Song Pos. : Song Sel. : Tune	× × ×	× × ×	
System Real Time	: Clock : Commands	○ ○	○ ○	
Aux Messages	: All Sound Off : Reset All Cntrls : Local ON/OFF : All Notes OFF : Active Sense : Reset	× × × × ○ ×	○ (120,126,127) ○ (121) ○ (122) ○ (123-125) ○ ×	
Notes:				

Mode 1 : OMNI ON , POLY Mode 2 : OMNI ON ,MONO ○ : Yes
Mode 3 : OMNI OFF, POLY Mode 4 : OMNI OFF,MONO × : No

YAMAHA

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